# Washington University of Baltimore.

MEDICAL DEPARTMENT.

SESSION 1867-68

Ferrocyanuret of Iron – Prussian Blue

The Rawley Springs contains a pure & strong chalybeate water & is recommended in Dis. of Women &c

Iron – Ferrum

Iron filings = Ramenta Ferri
Scales of Iron = Squamae "
Iron by Hydrogen = Ferri Pulvis or Quevenne's iron –
Rust of Iron = Rubigo Ferri

Sub-Carb. Iron (Red oxide of Iron) "Sesqui oxide of Iron" Dose x + xx grs –
Muriated Tinc. Iron – made by muriat. acid, Sub Carb. Iron & alcohol – m x + xx
Pill Carb. Iron, or "Vallet's Ferruginous pills" –
Mistura Ferri Com: "Griffith's mix." Dose ℥i + ij –
Pills – " " " Pills – " 3 + 6 –

"Ignorance [illegible]"

(Cancer must be treat with arsenic)

Hydrometra, Dropsy of womb –
Hygroma, " " Bursae muc.

[illegible]

[illegible] 12
8
28
8
3
24

Difference between chyle & lymph
There is an absence of fat in the latter

(Abies Excelsa)
(Burgundy pitch)

"In propria persona"

Virginia Snake Root, (Serpentaria)
11 Canada " " , (Asarum) Wild Ginger or Colts Foot =
10 Black Snk " (Cimicifuga racemosa)
Button " " (Eryngium)

"Potts disease" of Spine (or Curv^t.)

Sweet Springs is a carbonated water –
(– [illegible])

Tumors are of 2 kinds malignant & non-malignant & differ in Structure –

Blepharitis – Inflammation of Eye lids

Potts disease of Spine –

The Corpus Luteum is the remains of the Graafian follicle. –

Let me take a scrutanical squint into your general status symptoms, & appearance. Looking like 16 African wenches mourning at the tomb of Abraham

C C Coursey
Care J. W. Eno Esqr.
Plymouth
Luzerne Co
Luzerne – Pa

Washington University

Mizpah - Lord watch between me & thee when absent one from another — Washington

"Honi soit qui mal y pense." Evil to him who evil thinks.

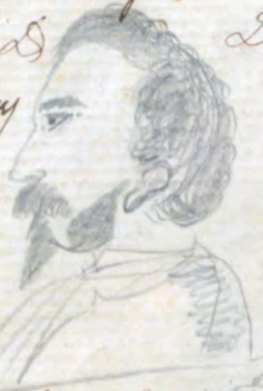
"In statu quo" In the state in which it was; "ante bellum", before the war.

E E. D "In propria persona" "in his own person"

M E D M. E. D E E E E E Miss Emma Stone

B. F. J. Conway Miss Emma Stone Washington

E E. D Dorkas Summerfield D.C.



Wm B. Conway Mr Moorman Emma Alabama Stone

E E E

Conway

Conway

C

Miss Emma Stone Pediluvia

Miss Emma Miss Emma Stone Stone

Emma Emma Stone Emma

Emma Stone E Emma

C C C C

E E E

Wm. B. Conway Oct 7th January 1868

Washington University

Washing Baltimore Cornelia

Ellen A

~~Mary E Mamlia~~ Wm B Conway

E E E E E E E Md.

October 4th 1867. M. E. D.

Raccoon Ford

Willie Conway

Emma

Mr E E

Va Figs Ficus

Emma Stone

Mary Wm B Conway

Mary Conway Montgomery WB Conway

Miss Emma Stone Conway, Sallie

Mr Wm B. Conway Summerfield Washington University

Wm B. Conway Alabama Baltimore

Miss Emma Stone Summerfield Ala

C H Montgomery Miss Emma Stone

Amber Musk Assafoetida & Chas H. Montgomery

Asterias Sedatives —

Miss Emma Stone Washington

Emma Stone

Emma Stone

Cerebral Stimulant. Wm B. Conway Esq

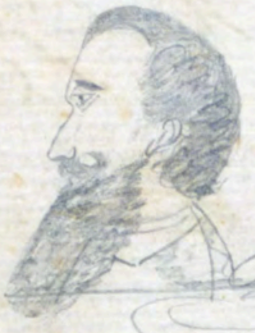
Quinine Alcohol &c —

Quin — "P

6)240
4

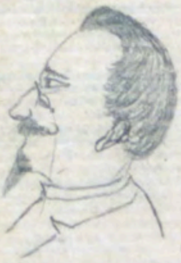
## Practice of Medicine — Page 1

Old Grandy



Any Body or any body else

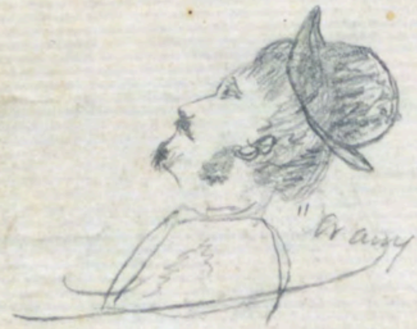
Med: Clinic — 15



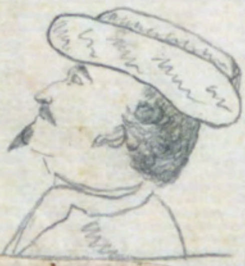
Iodide Potas ℥ii
Vin Colchi ℥iv
aqua ℥iv -
Teaspoonful 3 times a day.

## Surgery - — 20

Dr Harvey - Theatrical Chair



"or any other man"

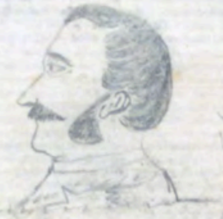


Looking like 16 African women mourning at the tomb of Abraham

## Chemistry — Page 40

Old Stupid

Bi Carb Potas ℥i 14 grs 3/8 -
Nitrate Potas ℥ii
aqua ℥viij -
Tablespoonful 3 times daily -

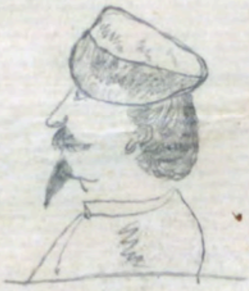


3/16
5

Bi carbonate Amm ℥ij - 15 grs 3/4
Vin Colchi - ℥j 30 m
aqua ℥iij -
Tablespoonful 3 times in wine glass of water -

## Anatomy — 60

Old Bones



## Materia Medica and Ther. — 68

Comp Ext Col 1ʒ
Calomel + Ext Jalap āā 45 grs -
Gamboge 10 "
M ft. 45 pills

Wm B Conway - madison Iowa Miss S. R.
Washington University Maryland
madison Iowa madison
Washington madison University Baltimore Maryland - Baltimore

## Obstetrics — Page

Old Gunny 60 4 240 120 — 80

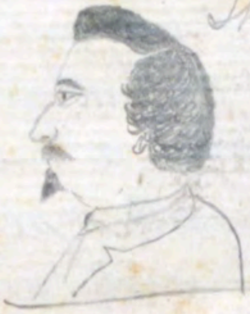
$\frac{5}{4}$2

105

120

Thesis — 84

32 4 128



Edward Warren M.D.

24 8 120 — 120

old Fribrillar

In-Digestion — 93

## Jurisprudence and Hygiene — 95

Old Punctuality

"Medical Jurisprudence" — 99

Multum in Parvo

180

4/180 46 — 9

## Materia Medica and Ther- — 102 103 104

Acetate of Lead

It causes a scarlet hue to the [illegible], ~~[illegible]~~ the blush of the blushing cheek of the maiden -

## Physiology and Pathology — Page 110

180 360

Old Hosey - Slightly easily afflicted with Hoppenocity of his nasal organ

You bet!

Brain & its Attachments — 113

Circulation of the Blood - 12[illegible]

And when life last and beyond the grave it ever draweth to [illegible] slice.

## Diseases of Women and Children

Dr [illegible] [illegible] — 125

Obs. R. [illegible] -

Obst Cases — 35-

Dr Wm B Conway

Proximate Principle is any substance ~~[illegible]~~ simple or Compound chemically speaking, that exists under its own form in the solids or fluids - (Dunlter)

Humbug. Charley at that.

Disease of Heart & Lungs - 13[illegible]

Clinic — 135

# 1. Notes on the Principles and Practice of Medicine

Prof J. P. Logan.

Ice can be allowed in most any disease if the skin is hot, parched, and dry—and never when its moist— For Intermittant Fever, ℞ Blue Mass grs viij. Ext, colocynthe, comp, grs x, M. ft pills No iij. Signa followed by ½ ℥ castor oil, after which, ℞ Sulph Quinine grs xx, Pulv. Opium grs j, Capsicum grs iij M. ft. pills 10, one every 2 hours— A long and continued organic disease of the heart, produces ultimately functional disease of that organ— The causes of disease are of two kinds intrinsic & extrinsic— The causes of disease are divided into predisposing & exciting— A test for albumen in urine, boil the urine and add Nitric acid, if turbidity is produced albumen is present— General Pathology. Etiology of disease. 2 kinds, predisposing and exciting— Bilious Diarrhœa occurs in the commencement of the fall, from the cool nights and warm days—causing congestion of liver &c— Cold is a direct Sedative—when long continued, some fevers occur at the termination of winter, from the debilitating influence caused by the cold winter— Nervous, Bilious, Phlegmatic & Sanguine temperaments— Non-cognizable causes of disease. Malaria, Epidemic, Contagion— Mechanical causes, impacted faeces— lying in one position a long time— Stone in bladder, stopping up of the Ductus choledochus— Chemical causes— If the alkaline secretions predominates in the Stomach causing disease, also acid predominates— Exciting causes—, alcoholic Liquors— Whenever there is an excess of Chloride of Soda in the Stom. we have exosmosis & endosmosis set up in the system somewhere,—and impedes the deposition of Fat— The Paroxysm is the reaction of the disease— Small-pox and measles are not Epidemics—Cholera and Influenza are— Infection will be used synonymously with contagion— Causes of specific Diseases are morbid poisons— Diagnosis, general and special The means by which we determine dist. diseases— Prognosis, nervous symptoms are more serious in the male than female—Lactation & Pregnancy often suppress Tubercular dis. Generally the 3rd attack of apoplexy is fatal — Nov 6th 1864 —

Why is it that the breath is disagreeable in sickness— The excrementitious matter is retained— The phenomena in fever, is heat— The temperature of a fever patient can be found by placing a thermometer in the axilla the standard is 98 or 99°— In serious cases it rises to 105°—

Compound Extract of Colocynth - Aloes$^2$ and Scammony$^3$ -
" Cathartic Pill - " L Ext Jalap - Calomel & Gamboge -

Death almost always takes place when the heat of the body is raised to (2) 110° - Toxaemia is the poisoning of the blood, The fluids and solids are generally changed in every disease (more or less.) Noxious materials in the blood produces toxaemia, uraemia, Jaundice &c Melanaemia is an other - also cachexia a morbid condition of the system, sometimes called Addison's Disease, Tuberculosis is the most dangerous kind under that head, and is identical with Scrofulosis - Tubercular and Scrofula can be transmitted from one person to an other, as when sleeping together, "It is certainly contagious," says Dr Logan, Tubercles are of 2 kinds yellow and Grey - Tubercular matter is found under the microscope to be an amorphous (or shapeless) granular substance - It becomes a matter of great importance in Tubercular & Scrofula Diathesis to prevent Inflammation if possible - Disease of the Organs - Hypertrophy, produced from an increased quantity of blood to part - Increased size as well as in weight = (S S&S)

Nov 22nd 1867 - Where you have irritation you have stasis, or stagnation. Where you have Inflammatory action you have effusion - Inflam$^{on}$ is a local lesion, with increased vascularity and changed secretions - Exudation of blood is a characteristic sign of Dysentary - The more fibrine (pure) the more apt is it to organize the parts by Lymph - Inflammation is local lesion of nutrition with stasis of blood in the part - The effects of Inflammation in the various organs, tissues &c, "see Woods Practice" - Important" Puss is of a greenish or creamish colour containing cells, epithelium, &c - test, its soluble in Liquor Potassa -

Bark, should not be given in Intermittent, when there is high vascularity, determination of blood to head, Stomach or any other organ - Cancers - or Malignant growths" - as its anatomical structure fibrous, semi-fluid, gelatinoid or cells - Encephaloid kind never becomes hard - Osteo-Sarcoma is cancer in bones - Fungus haematodes, is the kind, embracing that morbid state of vascularity of the part - Pain is not always present - Plenty of cells are found in the structure of Cancer. Cancer can be removed, as it is a morbid product - it is constitutional & hereditary - Genuine cancer is apt to return after an operation It may be removed by suppuration - Its more frequently found in the Uterus than in the Mamma - Stomach, Intestine, Liver, bones &c - The encephaloid will be found any where - 3 kinds (Dr. Flint) Scirrhus or hard, 2nd medullary or encephaloid and 3rdly colloid or alveolar - We have tonic spasms in tetanus, and Clonic spasms in Epilepsy - Involuntary contraction ~~with~~ of voluntary muscles characterises convulsions - In Tuberculous Disease we have a red line along the edge of the gums - also have a morbid condition of secretions of the mouth - We have a bitter tast in the mouth in hepatic, & chronic diseases of Stomach - Saltish taste is experienced in Phthisis Pulm -

Prof. J. P. Logan M.D.

December 13 -

1867 -

Diseases manifesting themselves in the Circulatory apparatus - Palpitation, resulting from valvular dis^t, hypertrophy. Rheumatic dis of that organ, nervous irritability, It may be sympathetic from some other organ as Stomach, Brain, &c.

In Inflammation we have an excess of fibrin in blood - In Chlorosis we have an increase proportion of fibrin to the other constituents - Melanemia there is an excess of pigment - Necremia - or death of blood - Spanemia or poverty of blood - December 16th Epistaxis may occur from congestion of the Brain - Haemoptysis, source of hemorrhage may ~~prov~~ be from mouth posterior nares & Stomach - caused from ulceration of mouth, throat, &c - Haematemesis - may be from Hysterical affections. Haematuria, may occur from some mechanical cause - Respiration is generally about 16 or 18 per minute - December 18th We have a bloody & muco-purulent expectoration in Phthisis - Singultus is produced by a spasmodic cont- of diaphragm - and helps in diagnosis of some diseases - Colour, weight, taste &c must be considered in testing urine - Where ever you find suppression of urine during an acute disease it is considered alarming & serious - December 20 - The Urine and its constit-

When there is an opaque white color, we may suspect to find mucous - pus or some insoluble salts - Acetic acid coagulates mucous, Mucous has an alkaline reaction, Pus an acid reaction - Bile in Urine may be detected by Nitric Acid again Chloroform gives a yellow precipitate - The dark opaque color arises from purpura, muriatic acid gives lylac color if heat be applied - Excess in weight - is caused by an excess of sugar or some salts - Test for Albumen is heat & nitric acid, if it becomes turbid it is ~~an~~ albumen - Albumenuria, (Brights disease, so called by old writers) Test for Diabetes, a small quantity of Grape sugar is "moores test &c Trommers test, add a Solution of Sulph Copper few drops, and add Liquor Potassa, a yellowish brown precipitate is formed - another test - by fermentation or by add addition of east. Apparatus for testing urine 3 or 4 test-tubes, Spirit lamp, acids, Potass Liquor ether, ammonia - alcohol - &c

Tubula Uriniferi -

℞ Iodide Potass ʒiij
aqua ℥iv.
[illegible] Teaspoonful ʒi -

32
160

Special Diseases -

January 3rd 1868 - Questio Vexi.

"Pneumonia" - Single - Double - Lobula - Idiopathic, Traumatic, Tubercular, and Typhoid - Acute, and Chronic - Symp- 1st Chill, congestion, followed by Fever, Dyspnoea bounding pulse, dull pain - Expectoration commences 3rd day, which is Rusty sputa - The disease culminates about 5 or 7 day - 2nd Stage. Exudation or Red hepatization & 3rd Grey hepatization, pus forms, breaking down &c - The return of the fine crepitation is favourable - Death generally occurs from exhaustion in 3rd Stage - Complications, Pleuro-pneumonia, capillary Bronchitis, Tubercles &c. Sequaela, Phthisis Pulmonalis - Lower or middle lobe is almost always effected - Prognosis The occurance of expectorated blood is serious - Treatment. In 1st Stage (Congestion) "Use Quinine" x - xv grs until 20 or 25 grs are given. Prompt & moderate antiphlogistic regimen - If bleed at all do so in 1st Stage & not repeat - but there is not one in 10 who could stand it - Amount of Blood to be taken, must be according to effects - not over 20 ℥ - Cupping between the sholders where you have doubts about general Blood-letting succeeds admirably well - As Purgative use "Calomel grs x followed by Epsom Salts ℥i - ij - Then "Tartar emetic" given in 1/20 gr, gr 1/4 every 2 or 3 hours - The "varatrum viride" given in case of pain, flushed face, free pulse, &c. as anodyne to produce sleep at night - use Dover's Powder - Again use Calomel 1/2 to 1 gr every 3 hours combined with Opium, this may not be used unless the disease reaches the 2nd Stage - also use Blister very large one - And lastly use for its absorption power Iodide Potass 5 gr doses 3 times daily - from 1st using no drugs - In children, use large poultices on chest & back -

Typhoid Pneumonia - Treatment - Quinia, Stimulants, nutritious food.

January 8th

"Pleurisy", Single, Double, "Symptoms" - Chill, pain (sharp) dyspnoea increased in laying on effected side - Fluid first Serous & may become purulent causing pyaemia, Pneumothorax air in the cavity, 1st adhesive - 2 Effusion 3 Absorption - Physical signs in 1st Stage Respiratory murmur, with friction, 2nd " Dulness on percussion Bronchial Respiration - Bronchophony & Aegophony - Some times we have a compressed side after Pleurisy from adhesion of the Pleura - In Rheumatism there is much pain in moving the arms as when breathing is attempted - Traumatic may occurs Treatment

"In Bronchitis we some times have a foetid mucous from bronchiectasis"

5. In young + plethoric active antiphlogistic remedies prove very good. Bleed, quantity regulated by your own judgement, Local bloodletting when general Bloodletting contraindicated. Tartar Emetic 1/2 with Opium 6 Calomel 6 grs, m & divide into 12 powders, one every 2 or 3 hours. When pain stops discontinue the Tartar Emetic. Not before the 2nd Stage apply Blister. Pulv: Squills ʒss Pulv Digitalis gr viii, m. ft 16 Pills. Decoc: Juniper Berries very good. Iodine & Iodide Potass very good after 1st Stage. Tap some times between 7 & 10th Rib.

Jany 10

Bronchitis. Chronic, Acute, Capillary &c. Treatment, Abortive may be effected. Saline purgative followed by Opium 1gr or Quinia x grs. When fever is high give Tartar Emetic 1/8 every 2 hours until 1 or 2 grs is given. Paregoric at night when cough is bad, if difficulty of breathing continue, A Blister can be used. After the most violent symptoms have ceased Iodide Potass is a Stimulating expectorant. Chronic Bronchitis, demands Counter Irritants (persevering) over the chest. Croton oil 3 drops olive oil 3 drops every night. Iodide ointment, Iodine ʒii lard ℥i sometimes add Iodide Potassium every night over chest & use the latter internally. Muriate of Ammonia 15 or 20 grs 3 times daily add Tinc Cinnamon. Quinia, Iron, Cod liver oil sometimes prove very good.

January 13 - 1868

Asthma. Paroxysmal & Spasm of Smaller bronchii.

Symptoms. Paroxysms coming on at different intervals. Premonitory symptoms, Itching under the chin, drowsiness &c Wheezing, with mucous in lungs. Physical signs, elevation of Ribs and Shoulders. Complicated with Bronchitis, Pulmonary Emphysema. Results, Enlargements of bronchii and dis of heart following. Its Hereditary, more frequently found in male. During the Paroxysm, Tartar Emetic 1/20 gr. Sulph: morph: 1/16 gr. Repeat every half hour. Inhalation Chloroform or Ether, in the interval Counter Irritation setons between Shoulders &c. Iodide Potass is one of the very best alteratives 5 or 10 grs 3 times daily, well diluted viz 5 or 10 gr in tumbler of water.

January 15th 1868

Laryngitis. Acute, Sympt. Dysphonia, fever, cough and oedema of glottis. Treat. Remove rapidly the inflammatory process, a few leeches, or bloodletting, purge, give Tartar Emetic, afterwards use Opium. Last resort, Tracheotomy. Chronic Laryngitis, apply Nitrate Silver locally, or Iodine 10 grs with Iodide Potass 20 gr water ℥i. Croton oil over the part.

"Huxhams Mixture"

## Croup - "Cynanche" -

Croup - Sympt - Horse cough difficult breathing, spasm &c Pathological signs, Spasm, involves the muscles of glottis, Hyperaemia of throat, the inflam may advance down into the small Bronchii - Pseudo-membraneous may form - Early treatment is required - Relaxation of Muscles &c is to be considered - Treat, Almost any Emetic, Give Pulv alum ℨss, Ipecac ℈ss in water (for child 5 years) - repeat it - or alum alone in Honey - If that does not succeed give Assafoetida - and apply Camphor plaster, Camphor ℨi Simple Cerate ℥i some time combined Mercurial oint or oint of Cantharides, Mild cases, gentle purgatives, pediluvia counter irritation, A few leeches may be used Tracheotomy might be performed &c -

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Pleurodynia - "Rheumatism of Intercostals" -
Symptoms, Redness, pain &c - Treatment, Purgative Counter Irritation, Mustard &c - Complycations, Neuralgia, Treat of last, Hypodermic injection &c - Iron - Aconite &c

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January 17th - 1868.

Phthisis Pulmonalis - Symptoms Acute - Chronic - Latent, Slight pain, quicker pulse, chills followed by fever - hectic &c - Preceded by Pneumonia (frequently) - Have night sweats diarrhoea &c The Expectoration is 1st mucous, we having a near sympathetic irritation set upon the bronchia from Reflex action - Then we have streaks of blood in the mucous - Haemoptysis attends the disease Later in the disease we have a muco-purulent Expectoration,
Physical signs - 1st Stage (Incipient) we have a greater or less degree of the temperature of the body - A sinking under the left clavicle, & prolonged expiration, then increased dulness near the upper part, (most commonly) A jerking of the ~~exp~~ respiratory murmur - a dry crackling noise, 3rd cavernous Respiration when mouth is shut - Complycations, Pleurisy, Pneumonia, &c - Prognosis, Its the most destructive of all ~~the~~ diseases, except the malignant kind - Cause - Hereditary - acquired &c Measles frequently leaves the patient in a state predisposing to it -
Treatment - "Years ago patients were subjected to the antiphlogistic plan of Treatment" "I have no confidence in Expectorants in this disease" Dr Logan The Hygienic plan is best - Pure & fresh air - Live in a temperature about 60° water should not be drank with lime in it, Outdoor exercise, not at night - Bathing or Sponging sometimes adding a little salt - There is no Specific - ℞ Cod Liver Oil - as an Analeptic -

"Miss Stringfellow" ℞
Alcohol, Iron, Quinia &c. may be tried. Syrup of Ginger ℥i
(7) oil Cloves 6 gtts Gum arabic ℥i Cod liver oil ℥.2. M.
Mild climates are best in a hygienic view. Use of flannel.

This being a disease of the blood, Cod liver oil is given. Use of Butter. Alcohol is next best, but should not be relied on except in great prostration. Should be used with meals or directly after. Whiskey is best of any other on account of getting it generally unadulterated. or wine may be used. It should never produce flushing of face and quickening of pulse. Diet, Butter should be a substitute for meats. Use corn bread, milk, essence of Beef. Sometimes use saccharine matter. Beef tea. Iodide Potass. largely diluted. "Avoid expectorants." In Diarrhoea, and colliquative sweats, use astringents externally & internally. A small seton sometimes, is good. Anodynes are used, inhalations of Camphor, Creosote, tar, Opium &c. "The disease may be cured."

Jany 22nd 1868.

Pericarditis. May be Rheumatic. Symptoms. Fever, pain, quick, irregular pulse, Nausea, vomiting which is sympathetic. Delirium is a common symptom. Oedema or Anasarca &c. 1st Stage. Acute or Congestive. 2nd Adhesive. 3rd Effusion. We have friction sounds as physical sign. Symptoms of Endocarditis and Peri.c are nearly same, In 1st we have no dullness on percussion and some signs of valvular disease. Causes, Rheumatic diathesis. Treatment.

1st Stage, Abstract Blood, general or local. then purge, Epsom or Rochelle Salts. 3rd Stage. Calomel & Opium. ½ gr āā. every 1 or 2 hours. Colchicum the alkalies &c. Quinia. ℞ Bi Carb. Potass. Nitrate Potass ℥ii āā aqua ℥viij. Tablespoonful 3 times daily. is very good. Blister over heart at same time give Morphia or Dovers Powder. To remove Effusion. Combination of Cream Tartar and Juniper berries. And also the Iodide Potass. Attenuated condition of blood give Iron and Manganese. In Endocarditis we frequently have organic disease, and more generally of mitral valve giving a blowing sound. We sometimes have vegetations growing on inside heart. which may be washed off producing embolism.

Palpitation Heart. From nervous disturbance, from indigestion Rheumatism, &c without any local manifestation of the disease. From irritation of nervous system. In functional disease we have no fatigue or excitement on exercise while in organic it's just the contrary.

And when there is palpitation of Heart from indigestion &c give an emetic its generally relieved. Treat. Digitalis. Veratrum viride. and Manganese and Iron is very good in anaemic patient.

Jany 24. 1868.

Tonsillitis. Amygdalitis (like an Almond)

It is very susceptible of suppuration. Treat. Commenced by an active Saline Cathartic. Flax seed poultice on the neck, sometimes add Camphor and Opium to the Poultice. In impending suffocation use the lancet cutting inwards. Pharyngitis (common Sore Throat)

Use Alum ℥ss Pulv: Camphor ℨii Loaf Sugar ℨii place it far back upon the tongue.

Gastritis. May Result from Poisoning &c. Symptoms. Pain tenderness, Ejection of food and often drink. Fever. Pulse low, Treat apply leeches over Epigastric. Place pounded ice over the Abdomen and Keep it up 2 or 4 hours, if Bad symptoms subside during that time you can then see its good effects. Small doses of Calomel $\frac{1}{2}$-$\frac{1}{8}$ mixed with Sugar (if Stomach will Stand it) until 5 or 10 grs have been taken, Ice internally can be relied on. Milk $\frac{3}{4}$ and lime water $\frac{1}{4}$ teaspoonful. Chronic Gastritis Mass Hydrargyri and Nitrate Silver, ℞ Nit: Silver: Ext Conii or Opium.

Dyspepsia. "Indigestion." We frequently have neuralgic pains in heart, liver, pleura or some where else. Headache. Pain in Chest. Mouth is clammy, an acid reaction manifests itself in mouth Stomach &c. with Pyrosis &c. Pathology, is an imperfect secretion of Stomach, liver or some other organ. Causes Excess or deficiency of food. Often excess of food late hours. Insufficiency of sleep.

Enteritis. Symp. Pain in abdomen increased on pressure constipation Fever &c. Treat. leeching, warm poultices, Opium is most reliable medc. Purgatives are to be avoided &c.

Peritonitis Causes Exposure to cold, wet &c. Treat. Early and active bleeding, genl or leeching, fol. by warm poultices. Opium is great internal Remy. combined with small doses of Calomel &c. when there is an accumulation of faeces, ℞ an enema. Support System, Quinia &c.

Colic Flatulent, Billious, Spasmodic, Rheumatic, Painters &c.

Caused by Indigestion causing tonic Spasms. Billious variety is caused by passage of calculi from the liver. Painters, wrist drop. hard knots in Abdomen, blue line on gums. and is very apt

Jany 28 - 1868.

to return again after the first attack, Treat. An Emetic [illegible] and then give a mild purgative, magnesia, or castor oil ℥ss Spts Turpentine ʒi - Enema of Soap castor oil &c - When the spasm is very violent and every other remedy has failed give ʒss Chloroform - ℞ Chloric Aether ʒii Sulph: Morph gr i Tinct: Camph ʒi Essence Peppermint ~~Cinnamon~~ ʒii m. Teaspoonful ʒ pro re nata - In a very plethoric Subject, bleed generally - Calomel & Opium āā gr j - every half hour - Blister may be apply'd over the liver - Lead Colic Treatm Sulph: magnesia, which is antidotal. Castor oil, oil Peppermint &c - or Turpentine with Castor oil - Iodide of potassium eliminates the poison -

"Cholera Morbus" Sym. Nausea & vomiting - severe pain. Diarrhoea, brownish or yellowish stools, cold & spasms in limbs. Causes - Indigestible food, sudden change of temperature. We have greater Nausea in Cholera Morbus than in Epidemic Cholera - In the latter we have Rice colored stools - also great collapse and retention & suppression of urine - Treat Produce determinat. for that give use mustard plaster over abdomen - and internally give morphia: Camph - Tinct cinnamon &c also use enema of Laudanum -

Jany 29th 1868.

Diarrhoea - different kinds - Irritative and sympathetic from teething - Inflammat and symptomat as in Fever or the Exanthematous disease - Critical & colliquative the last in Phthisis - Mucous & Serous - Decide if the discharge ought to be arrested - Treat Enema & Laudanum and many other things - Cholera Infantum

Coincident with teething, most destructive of all diseases - Symp - Diarrhoea vomiting debility languor insensibility, Enlarged abdomen & swollen - Rapid Emaciation, period of dentit is particularly adapted to it. Children hardly ever have it over 4 years. Its regarded rather as systemic than local - Has its origin within itself the process of digestion, Treat lance gums - &c - Give Hydrargyrum cum creta - Simple Antacid &c - Lime water & Camphor water - Calomel 1/20 gr It is best to let nature take its course than to interfere with too much medicine - Lime water and milk 1/4 former to 3/4 latter - is best diet -

Jany 21th 1868-

Dysentary Treat- local depletion- 6 10 or 15 leech 10 xx- Saline cathartic- after which put the patient under the influence of Opium 2-3 or 4 grs of gum in smaller doses during the 24 hours- Rx Bicarb Potass x grs Calomel x grs m. ft. 5 Pills one every two hours if liver is not acting properly- If after 10 12 or 24 hours the symptoms return, apply a Blister over the Abdomen. Camphor 1 gr every 2 hours with Pilulae Hydrargy 2 grs- Chicken water, beef tea- Ice in Stomach affords great relief- Rx ℥ii Starch, Tinc, Opium 30 drops m ft Enema- In asthenic cases give Stimulants, Ext is Quinine Sulphur-

February 5th 1868

Fevers- Eruptive, Continued, Periodical &c-

Intermittant Fever-

Interval is time between one chill & another- Intermission is time between Paroxysms- Stages, Cold, Hot & Sweating,

Prof. A. J. Foard Dean of Faculty W. Univ
Temperance Professor J. P. Dowgaw Dean of Faculty "
S. Speaking " Chas. W. Chancellor Dean of Faculty " Vas.
Rapid Ann Station Md Va. Va. Va. Va. Va Va Va
C Culpeper County Va Va Va Va Va V
Jany J January Va
McGaheysville
Wm B Conway Esq Rockingham
W

January
February
March
April
May
June
July
August
September
October
November
December
26th
or Christmas

11 Spatulas ℥ Measure _ Slab _ Isinglass Ad: Plaster —

Charles E. Emery MD Md

| | | $ \| Cts, |
|---|---|---|
| Tinct Digitalis | ℥ij. | 20 |
| Nitric acid Dilu. | " | 30 |
| Tinct Iodine | ℥ij | 2.00 |
| Sweet Spts Nitre | ℥iv | 60 |
| Bi Carb Potass | ℥iv | 20 |
| Gamboge | ℥i | 30 |
| Fl: Ext Ergot | ℥ij | 50 |
| Ext: Hyoscyamus | " | 60 |
| Plum Acetas | " | 15 |
| Bi Chloride Hyd: | " | 25 |
| Calomel | ℥iij | 30 |
| Comp Ext Colocynth | ℥ij | 1.00 |
| Argenti Nitras | | .70 |
| Iodide Potassium | ℥ij | 1.50 |
| Bromide " | ℥i | .50 |
| Tinct Valerian | ℥ij | 80 |
| Tinct Ferri Muriates | ℥iv | |

| | | |
|---|---|---|
| Tinct Tolutan | ℥ij | # .10 |
| Vini Colchyci | " Radix | |
| Fl Ext Stelingia | " | |
| Tinc Digitalis | " | 20 |
| Syrup Sarsaparil C. | ℥vi | |
| Nitric Acid Dil | ℥ij | 30 |
| Nitro Muriat Acid | ℥iv | |
| Tinc Iodine | ℥ij | 2.00 |
| Sweet Spts Nitre | ℥iv | .50 |
| Bi-Carb-Potass | ℥viij | 40 |
| Tinc Gentian Com- | " | |
| Gamboge | ℥i | 30 |
| Podophilum | ℥i | |
| Ergot Fl. Ext, | ℥ij | 50 |
| Leptandrium | " | |
| Ext Hyosciamus | " | 60 |
| Sulph Morph | " | |
| Nux Vomica | ℥i | |
| Plumbi Acetas | ℥ij | .15 |
| Hyd-Bi-chlorid- | ℥i | |
| Ext Colocynth C. | ℥ij | 1.00 |
| Argent Nitras Cryst & Stick | ℥i | 70 |
| Calomel | ℥ij | 30 |
| G. Kino | ℥i | |
| Citrate Iron et Quinia | ℥i | |
| Bromide Potass | " | 50 |
| Oxalas Cerii | " | |
| Com Spts Lavender | ℥vj | .60 |
| Tinc Valerian | " | .60 |
| Muriated Tinc Iron- | " | 2.40 |
| Aqua Cinnam- | | |
| Tinc Opium | ℥iv | .35- |
| Aqua Amm Fort | " | |
| Paragoric | ℥v | 45- |
| Tinc Aconite | " | |
| Aqua Menth Pepp- | " | |
| Tinc Aromaticus- | " | |

| | | |
|---|---|---|
| Comp Spts Ether | ℥iv | 12 |
| Fowlers Sol- | ℥iv | .40 |
| Pulv Rhubarb | ℔ 1/2 | |
| " Aloes | " | .80 |
| " Jalap | " Scammony- | |
| Chlorate Potass | ℥iv | |
| Tannic Acid | ℥i | |
| Iodide Potass | ℥ij - | 1.50 |
| Sulph Copper | ℥i | |
| Sulphite Soda | ℥iv | |
| Pulv Acacia | ℥viij | .70 |
| " Ipecac | ℥vi | 2.70 |
| Sulph Quinia | ℥iv | 5.50- |
| Donivans Sol- | ℥ij | |
| ~~Syrup~~ Wine Ipecac- | ℥iv | 50 |
| Syrup Scillae Com. | " | 40 |
| ~~Tinc~~ Assafoetida | ℥ij | 30 |
| Pil Hydrarg | ℥viij | 50 |
| Oint Spanish Flies | — | 50 |
| Oil Cubebs | ℥vj | |
| " Copaiba | " | |
| Tartar Emet | ℥ij | .30 |
| Veratrum Viride | — | |
| Syrup Iodide Iron | ℥iv | .50 |
| Hydrarg Cum Creta- | ℥ij | |
| Persulphate Iron {Pulv} | ℥i | 50 |
| Collodion- | ℥i | |
| Opium | ℥ij | 2.50 |
| Magnesia- | " | |
| Ergot- | " | |
| Rhigoline | | |
| Chloroform | ℥ij | 40 |
| Sulphur | ℥iv | 15- |
| | | 29.30 |

13 There is a degree of embarrasment which surrounds the young in inexperiance in public Speaking which I hope my friends will ~~or look~~ weigh with due consideration

My heart feels in responding to a call of such importance as if it had joy & hope bursting forth in the secret chambers of one side, & degredation & shame bordering upon the other, for such it is when I have to speake of Intemperance & its attending evils. Had I to dwell on the former subject a celestial breese from heaven would waft me onward to a higher sphear of gratitude & bid me ever & anon to continue.

The subject of intemperance demands from each and every member of the human family who inhabits our sunny south a certain amount of thought and attention. were we unable to communicate its evil propensities & desires to each other, in the manner designated before you all, and before

Dr. Charels. C. Conway, High Street near [illegible]
or North St.

The cup though still red with wine
Is soon emptied by him who goes it blind.

Pride honor & integrity surrounds his youthful hood. while the forlorn & damning inebriate Stagers from bar to bar still quaffing the poisonous drink until at last, at last, death claims his victim, and he falls among the fangs of the reptiles whose venom

## "Medical Clinic" "Prof Logan –

Nov 1st Case 1st Hooping cough with Bronchitis – The former is a specific disease, originating from a virus – Treat – Counter irritants to spine as Turpent; Tinct: Camp: Chloroform equal parts applied 3 times per diem – Internally, Paragoric & Syrup Ipecac – The Paroxism in asthma is caused from reflex action in lungs – treatment Tart: Emetic gr ij Sulph: Mor gr i aqua ℥ij one Teaspoonful every hour until 3 doses have been taken or the paroxysm ceases. For the Prevention of the paroxysm Iod: Pot: 1ʒ: iodine grs x – aqua ℥ij S in wineglass of water x drops –

For Intermittent Fever – Treat – ℞ Com: Cath pill iij afterwards Fowlers Sol. 5 drops 3 times daily after each meal – 7. 14 & 21 days the paroxysms come – For Chill Fever – Sulp Quinia grs xij Aro: Sulp: acid ʒij aqua ℥iv tablespoonful 3 times daily –

(Nov 6. 1864.)

Over morbid nutrition as an Alterative Iod. Potass is best = General Anasarca, from obstruction of some portion of the venous system (probably of the heart) . Treatm ℞ Tinct Digitalis gtt 3
Tinct Valerian ℥i –
m. S teaspoonful in wine glass of water 3 times daily –

(Enlargement of Spleen, Hax-hams mixt & Iron –)

Signs of Hooping cough swolen eyelids the hoop &c determination of Blood to head &c during paroxysms, spots in the eye – ℞ Bromide Potass ʒss water ℥iv Syrup Ipecac Tinct: Camp: Opium āā ʒij: teaspoonful 3 times per diem, for a child 3 months – another at 7 months double the Brom: Potassium – Irritable Uterus Com: pound: Cath: pill – after which Tinc: Camp. Tinc Opium & Chloroform –

For Chronic Bronchitis ℞ Nit: Potass x viij – Cinnamon grs xx – afterwards ℞ Nitric acid then Muriatic Tinc Iron –

For constipation & worms ℞ Oleum Ricini ℥ss Spt: Turpent 30 gtts

Nov 11th – Phthisis Pulmonalis – Case – man Pulse small 120. Cavernous Respira – Treat – Stimulants Tonics – ℞ Sulph Quinine ʒss arom: Sulp. acid: gtt 20 aqua – ℥iv – m. Teaspoonful 3 times daily – In connection with this give Brandy while Eating –

Phthisis Pulmonalis dullness in percuss. and absence of the Respiratory murmur – Suppression of menses – Com Ext Colocynth – aloes āā grs v m. pill i

Dismenorrhoea painful and difficult menstruation – Cause cold, wet feet, washing – Treatment "Dr Logan"

"An Excelent Remedy"

℞ Gum Guiaci ℥i
Balsam Canadensis ℥i
Oleum Sassafras ʒij
Corrosive Sub: ℈i
Rect Sps: Wine: or alcohol: ℥viij

Use this Remedy 2 weeks previous to the return of the natural menstrual period

Dissolve the guiac + Balsam in one half the spirit & the Corrosive Sub: in the other, Let the former digest for several days Then mix the latter Dose x to xx drops 3 times daily – in water –

ʒ) 1ʒ/ʒ ʒv (Accumulative effect

"Important Case"

Nov 18 - 1867 } Hemorrhoids are frequently the result of an obstruction in (16) the Portal circulation - "Dyspepsia with mucous, but little cough," and acid in Stomach." chronic engorgement of Liver.

{Torpidity of Liver indigestion &c
℞ Com: Cathar: Pill, one every night -}

℞ Bicarb: Potassae grs 20 3 times daily in connection with
Tinct: cardamon ʒi Com:
Spts: Lavender ʒi m. S.
3 times daily in wine glass water -

Chronic Rheumatism -

℞ Iodide Potass v grs 3 times daily, with Wine of Colchycum 10 drops 3 times daily with the above -

Follicular disease of throat, with Tubercular deposit, ℞ oleum morrhuae, with
For the throat Nitr: Silver sol, Gargle.

℞ Iodide Potass ʒij *
Water ℥iv.

Indigestion with gas in Stomach, constipation + Piles -

℞ Bicarb: Potass ʒij
Tinc: Cardamon ʒi
Spts Lavender ʒi
M. Ft. Sol Teaspoonful 3 times daily -

For Constipation + piles -
℞ Rheubarb grs v -
Com: Ext: Colocynth: " v -
Ext Hyoscidamus - " 1 -

ablution with warm aqua & Apply simple Lard -

Chronic Bronchitis in Child 3 years -
℞ Brom: Potass: ʒiss
Syrup Ipecac - Tinc: Campf: Opii āā ʒij. Teaspoonful 3 times daily -
aqua - ℥iv -

Counter Irritant to Spine, as Turpentine &c

For Worms (Intestinal)
℞ Oleum Turpen: ʒi
Oleum Chenopodii ʒi
Castor Oil - ℥ij
Tinc: Myrrh ʒij
M. Ft. Sol: Teaspoonful 3 times per diem -

Chronic Bronchitis - + Constipation
Mass: Hydrarg -
Com: Ext. Colicy āā grs xvj
Heyosciamus

Follicular Disease of Throat
℞ Iodine grs x
Potass: Iodide ʒi *
Aqua ℥ss -
M. apply with probang -

Scrofula in Child 12 months -
℞ Potass: Iodidi: grs in little water, increase the dose gradually -

Lymphatics of the neck swollen & also ulcerated, do not cure that during dentition -

In Scrofulous Diathesis, we frequently have follicular disease of throat (See *)

In Phthisical and Tubercular Diathesis, preparation of Iodine + Iron is best, or Iodine in some form -

Chronic Inflammation of Stomach with Acid Eructation
℞ Bicarb: Potassae gr 20
Tinc Cardamon ʒi
Com Tinc Lavender ʒi
Creasote gtt one -
M. S. 3 times daily in water -

Over Excitement of Heart from Excitement of Nervous Sys: heart being 200 - Treatment, an Emetic -

Chronic Intermittent Fever -

For Laryngitis - ℞ Antimonial wine
Sweet Spt: Nitre: ʒi
Syrup Squills
Paregoric -
Aqua -
m Ft mix -

For purgation - Salts ℥ss Calcined mag: ʒi

Chronic Bronchitis -
℞ Salines purgative

Dropsy -

Pus will sink in water -
Mucus " not -

Pus Sinks in water— | "Seidlitz Powder" | "Angio lucetis"

17 "Irritation of Cerebellum"
with great pain in that Region
dimness of vision—
℞ Bromide Potass xx grs.
with seton in neck—
Pull it backwards & forwards if
no suppuration is prod.d put a little
oint- of Fly Blister on string.

Hysteria (with globus Hystericus)
℞ Ammoniated Tinc: Valerian ℥ii
Hoffmans Anodyne ℥ii
Chloroform— ʒss.
m. Take—

Tuberculosis
Cod Liver oil, Iron, & Iodide Potass:

In Conjunctivitis the blood vessels are
zigzag and in Sclerotitis they are straight—
For the latter ℞ Sulph Zinc
Acet: Lead & Rose water—
with Blister near eye and Seton in neck

Whooping Cough— In child 5 years—
℞ Bromide Potassii grs 4
Tinc Belladon: 3 drops

Chronic Laryngitis (Epidemic) (strigulous voice)
℞ Counter Irritant & Leaches to part—

Chalk Stone in Joints of fingers
℞ Acetic Acid

Sputa of Bronchitis is mixed with blood— Rhonchus & (Sibilus in small tubes) dry—
" " Pneumonia " combined " " crepitant sound &c.

Syphilitic sores in mouth
℞ stick sulph Copper touch them
and use Chlorate Potass internally.

Irritable Bladder—
℞ Bromide Potass: 20 grs.
Tinc Belladonna 20 gtts—
M. ʒ. in half ℥ water 3 times per diem

Sciatica. Disease of the
neurolemma of Ischiatic nerve
℞ Iodide Potass x gr
Tr. ʒx Colchicum
Sulph Morph 1/8 " one Dose—
Cyanuret of Potass xx grs with Glycerine ℥ss
use Externally

Catarrh of Head—
℞ Tartar Emetic 2 grs.
Morph: Sulph 1 "
Flaxseed tea O j—
m. Teaspoonful every half hour

Congestion of Kidneys with
suppression of urine—
℞ Uva Ursi
Pipsissewa—

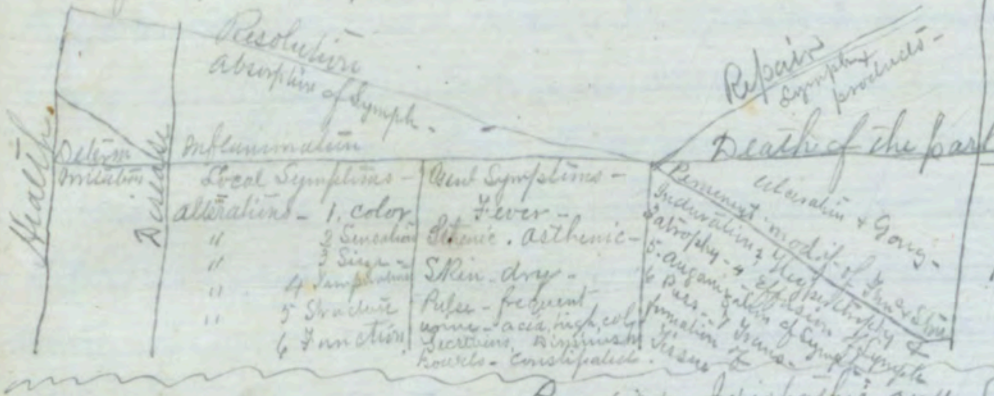
Irritation of Bladder— from passing of
worms, patients generally describe it as
something gone— To produce
Sleep &c—
℞ Sulph Morph: 1/8 gr
Chloroform ʒss—
Hoffmans Anodyne ℥i m. Take

Tinc Belladon: 20 drops
Bromide Potassium 20 grs.
Camphor Water ℥ss—
M. 20 gtts at night for
Incontinence of Urine in
Children

# Notes on the Principles and Practice of Surgery 20

## Prof: Edward Warren

It is not blood that is used in the reparation of tissues or bones after fracture but lymph — there are 2 kinds, plastic and a-plastic or corpuscles. Lymph may degenerate into puss. 1st union without an intervening substance or primary adh^n. 2nd a substance or cells intervening is union by 1st Inten. 3rd Union by granulation is called union by 2nd Intention. 4th Union by secondary adhesion a new tissue developes itself. 5th & Scabbing, healing above and the granules fall down & fill up the space. The first Union is immediate, all the bloodvessels and nerves come in immediate coaptation. Congestion is always passive and mechanical. The ~~first~~ signs of Congestion ~~is~~ oedema, then Hemorrhage & ulceration ensues. Treatment, remove the cause if a tumor remove it. Determination of Blood is an increased vascularity, Treatment nearly the same as Inflammation. Irritation is a disordered condition of the nerves, divided into 2 kinds direct and indirect, Treat. remove the cause & correct the secretions. Narcotics & Sedatives, as opium &c. Inflammation is a condition of altered secretion, increased vascularity and sensibility. causes predisposing & exciting, Local cause, Excessive use of the part, previous injury &c. Inflammation, the blood becomes thinner, & the red corpuscles diminish & fibrin increases. the blood stagnates from the adhesion of the white corp: to the sides.


Health
Determ
Irritation
Disease
Resolution
absorption of lymph
Inflammation
Local Symptoms
alterations
1. color
2 Sensation
3 Size
4 Temperature
5 Structure
6 Function
Const Symptoms
Fever
Sthenic. asthenic
Skin dry
Pulse frequent
urine acid, high col
Secretions, Diminish
bowels constipated
Repair
Lymphatic products
Death of the part
Ulceration & Gang.
Permanent modif. of Tissue
Induration
Hypertrophy
atrophy
Effusion
organization of lymph
Pus formation
Trans. of tissue

Prof. Warrens Diagram

Pyrexia is Idiopathic and Symptomatic

Fever — Essential phenomena, increased heat, metamorphosis, and circulation — nervous Irritat. non essential, Dry skin, quick pulse, scanty urine, constipation &c. Puss is not secreted; but formed from the breaking down into a lower form of organizable Lymph. 1st Result is Resolution. Ichorous puss has serum mixed. Sanious puss has too much blood in it. abscess progress towards the surface on account of there being more vitality behind and less in front. Puss escaping too rapidly and too large quantity, emaciation, purgation &c. Puss found in the blood is called pyemia. Ulcer is a circumscribed sore resulting from disintegration of the tissue. Sphacelus is the entire death of a part. Humid Gangrene is that where little or no blood is sent to the part. Dry Gangrene is just the reverse too much blood but it hasn't the proper constituents. Inflammation may be div^d into Healthy & Unheal.

Nov 1st 1867. Treatment of Inflammation, 2 kinds; preventive and curative,

not
Spoliation

21 First and best Treatⁿ to prevent it, is cold water - General preventitives, such as to perpetuate the tone of the system - Curative Treat. controls the general symptoms - Rule in Surgery is, "use the lancet but seldom" - if so at all, do it before lymph has been poured out - bleed until the effects are produced upon the system, as when the pulse becomes to flag, and perspiration shows its self on the forehead - Purgatives - Veratrum, Digitalis, Mercury - especially Calomel - 1st place as purgative and 2nd alterative - mercury liquefies lymph and breaks down fibrine and modifies the red corpuscles - Mercury acts by purging and also stimulates the Liver - And then we give it (mercury) as an alterative, and diminishes the red corpuscles - use mercury after the effusion of Lymph - Be very cautious in using Mercury (Dr Warren) - Diuretics & Diaphoretics & Nervous Sedatives as opium, Indian Hemp, administer the former if at all in large doses as ij or iij grs - in wounds of peritoneum intest. &c - Next class, Stimulants when the strength has been exhausted as in Hectic &c - Stimulants cause the attacking party (or Inflam.) to become weakened - no, we strengthen the resisting organs - Stimulants and Tonics must be used when the tongue is dry and cracked & pus discharges freely, administer Stimulants cautiously - Blisters should be cautiously used in the first stage of Inflamⁿ for fear of Irritating the part more - Cold water to local inflamⁿ constrains the parts decreases the capillaries &c - Warm applications when the blood becomes stagnated, when Phthisis is apprehended cold should not be used - Counter irritants, should not be applied too near too delicate organs - "Hemorrhage primary and secondary - Ligate both the distal & proximal parts - any hemorrhage taking place after 36 hours is 2ndry - it sometimes takes place from tying an artery & including a piece of muscle or something similar, and when that sloughs leaves the ligature loose - An artery has two divisions, a distal and proximal end - Hemorrhage takes place sometimes from the deficiency of coagulable blood deposited upon the artery - Coagulable Lymph is frequently absorbed - a vein ought not to be ligated for fear of Phlebitis - arrest the blood by compression, matics, campher, flour, nitr. Silver - Searing, ice - Spider webs - &c An artery must be stoped by ligation, compression - Whenever an artery has been cut never be satisfied at tying one end, but both - Silver wire is the best ligature to be used - Torsion consists in mashing an artery causing the 2 inner coats to give way - compression is only a modification of 1st - For Secondary hemorrhage - Use Styptics, compresses, open the wound and tie the artery at both ends, if that does not succeed, amputate -

* "Medical Jurisprudence"

November 18th 1867 -

Contusions are of 4 varieties viz extravasation of blood is the symptoms of 2 2 are the varieties (In* Echymosis proper the blood is incorporated with the celular tissue and the tissue becomes thickened, but in Echymosis after death, the effusion is only under the skin) - Treat: Stimulants, as Iodine &c the blood should never be let out, unless there is no chance of having it absorbed - Wounds consists of the separation of the skin - Incised wounds, in immediate union, sutures ought not to be used, but colodium adhesive plaster &c - Interrupted suture - Glovers suture or continued - Twisted Suture - Quilled suture - and Dry suture - Bandages, this is the invaginated, made of adhesive plaster - To check hemorrhage in a penetrated wound, plug up the place with pledgets of lint saturated with, cold water, or persulph: Iron. Nov 22nd - Erysipelas is a specific disease and is the external manifestation of an internal malady) - contused wounds - Poisoned wounds - are occasioned from stings wasps, insects &c bites &c, Treat - olive oil & Carb: Soda or some alkali, as the poison is an acid - or Spts ammonia, and sometimes Chloroform is used - Richardson's Spray ap: and again use the Hypodermic Syringe and morphia - some times Erysipelas developes it self - then use Stimulants, Bite of Snakes Treat. Tie a ligature around the limb to cut off the venous blood & then sear the part with hot iron - or excise the part and use cups- The poison can be taken into the Stomach with impunity as the gastric juice produces some chemical change - Depression is produced therefore Stimulants should be used and the best is Whiskey and that freely - Bites of Rabid Animals - Hydrophobia, it has a period of incubation from 3 to 6 weeks - Symptom spasmodic contractions of diaphragm, gives a jerking sound in the respiration - difficult deglutition. Treat. Preventive, cut out the part or cauterize &c Curative Treat. Keep him in dark room, Drinks must not be given except by enema - apply ice to spine - Dissecting wounds, 2 varieties, simple, In 12 or 24 hours there is swelling in the finger and the axillary glands enlarge. The severe form, there is (in 12 hours) rigors, pustule forms on the finger, red lines extend up the arm - the inflammation does not limit itself to the limb but spreads, forming ulcers & pus is discharged - Treat: tie a string around the finger and prick it, so as the blood with the virus may be discharged, then suck it, and drop a drop of nitric acid in the wound or cauterize the part - (Dr Warren) Nov 28th 1867 - Gunshot-Wounds Includes contused, lacerated, incised, and poisoned to some extent - It is not good Surgery to attempt to remove Shot that deeply imbedded in the tissues - When a ball enters the hole is round edges inverted, hole small, on other side the hole is large irregular, & everted -

December 2nd L Dr Edward Warren. Prof of Surgery. 1867.

(23) Wounds, (gun shot) by conical balls (minie balls) The tissues are only separated by the ball. Point of entrance smooth & round, point of exit irregular, everted, and the spicula of bone pointing in that direction — Explosive balls, causing the ordinary wound, and also a burn with concussion. When the ball strikes at an angle it lacerates the tissues. The ball is changed in shape, when striking against some of the tissues by its being more maleable from having its temperature raised. There is more hemorrhage when there is more momentum given to the ball. There is no general rule in regard to pain some suffering much more than others. There is sometimes a nervous shock, characterised by pale face, nausia, and vomiting. We then have reaction. Treatment, 1st To controle hemorrhage 2nd to remove shot, 3rdly to cleanse the part. If the tourniquet be applyed tightly it causes stagnation and does no good. If an artery has been divided cut down to it & tie both ends. In a shock, stimulate the patient. In examining a wound, do so with the finger, in preference to the probe; if the finger can not be used, take the female catheter. Treatment, Puss is alway in the way, prevent it if possible, by cold water. To destroy maggotts in wound, apply calomel or Black wash. Elder juice, and sometimes Chloroform, though it produces pain. Erysipelas is not contagious, generally, Treatment, Stimulants, Tonics & proper food. Muriated Tinc Ferri, and Quiniae Sulph: Alcoholic Stimulants must be used at once. Local Treatmt don't apply Tinc: Iodine to the spot, but it may be applied around &c, But the Hyposulphite of Soda x grs to ℥i of water applyed frequently, is the remedy. Pyaemia, puss is absorbed not in its natural state, or Laudable puss. Puss is nothing but fibrin in an unnatural state. Symptoms of pyaemia, it is preceded by a period of incubation, the wound presents an unhealthy appearence. it commences by rigors of a violent character, and occur irregularly, not regular like malarial rigors. there is gastric irritation and diarrhoea, skin yellow, pulse frequent, thirst, wound becomes boggy and dry, debility increases and death ensues. Treatment, Support the system from the start, Keep him warm, if cold, and if warm make him cool. and address such medicines to the wound as will improve it. Hospital Gangrene, it is Infectious & contagious. wound becomes livid on edges, it breaks down, &c Treat. Tonics, as iron, Quinia, &c, with Stimulants, Locally, actual cautery nitric acid &c. Tetanus. Causes, predisposing & exciting, the latter cause are those agencies that affect the nerves, it usually occurs between the 5 and 15th day. We may have Idiopathic & traumatic. It consists of an

Prof. Edward Warren, M.D. December 9th-

excited state of the Spinal cord and Medulla oblongata; producing reflex action- The spasms are tonic or continued, and not clonic or intermittent in its character; it effects the voluntary muscles- Varieties of Tetanus- acute and Chronic, Idiopathic & Traumatic- the former develops itself spontaneously, and is intrinsic the latter originates from wounds- & cause is extrinsic- Trismus or lock-jaw- Opisthotonos, in muscles of back. Emprosthotonos, in muscles of abdom- & Pleurosthotonos- Symptoms, Compressible pulse- death is generally produced by exaustion- Treat: We always have an irritation in the periferal extremities of the nerves, there-fore treat irritation both intern- and external. Use Stimulants to keep up the system- 1st Relieve local irritation, 2nd Relieve nervous centers irritation, 3 such things as will relieve the muscular contractions- For the 1st use Tinc: arnica: When there is an insufficiency of action in the wound, stimulate the part by "Nitrate of Silver in Solution"- When there is an excessive breaking down of the lymph &c, use "Permanganate Potass": to neutralize the fluids- When there is very severe pain in part, if you are using cold water, change to warm water, the water may be medicated with Opium- Inject morphia along the nerve- Some times destroy the nerve by section- Nerve Centers along the spine must be treated; use cold water, and warm water which soothes the part- and sometimes apply Opium, Bellad: cups, leaches, &c to spine, Internal treat, Chloroform & Opium relieves the irritation of the centers- Constipation is an early symptom, therefore open them by Scammony, Croton oil &c- December 13- Injuries of Head- contusion of soft part, do not mistake it for a depressed Skull- never puncture the part to let out the effused blood- wounds of Scalp has a tendency to Erysipelas. there is little disposition to sloughing- Treatment; clean the wound thoroughly, bring the parts together & keep them with adhesive plaster or collodion- stitches will tend to produce Erysipelas-

December 14th Concussion of Brain (Syncope) (shaking up of the Brain) Symptoms ~~not~~ an entire loss of consciousness. Pulse small treaddy & rapid, pupils, one partly cont. the other dilated, 2nd stage vomiting & nausea, bowels relaxed. 3rd Fever. Treat; in an ordinary case no treatment is required, if violent stimulate with mustard, chloroform, Carb Ammonia- In Compression (apoplexy) Sympt: Paralysis on opposite side, pupils dilated- Urine entirely stoped- calling for catheter. Stertorous breathing- pulse full- slow bowels constipated Causes, bone, effused blood, &c pressing on brain- Treat: remove cause- If move bone by trephine, do so before Inflammation takes place & continues to perpetuate the Inflammation. Effusion sometimes takes place- from meningeal or Capillaries- The former is only one requiring trephine-

The operation of trephining is very dangerous, unless you strike the exact place of effusion, you only add to the injury - Therefore 25 you should not trephine for Effusion, unless you can see that the meningeal artery has been divided - Nature tends to promote absorption, therefore we should aid nature. Keep down Inflammation by shaving patient's head applying ice, use purgatives, of Calomel, veratrium viridi, &c. Puss may form any where blood may be effused, it's always preceded by inflamm.n The only way of determining the formation of puss is the paralysis of opposite side - Foreign bodies in brain, should you be sure there is a foreign body take it out at all hazards - + keep down inflamm.n by defibrinizing the blood by alterative doses of Calomel - + Veratrium viride as a Sedative -

Treat, of acute Inflam.n is the antiphlogistic Regimen - use antimony &c Chronic form, use leaches, cups, blisters &c Symptoms are exactly antagonistic to the acute - Hernia Cerebri as a general rule it should be shaved off and compression made over the part - December 20th 1869 - Wounds of Chest - 1st simply the parietes Treat: merely apply cold water, and a demand rest - 2nd Ribs - 3rd Including the parietes + pleura, lymph is thrown out on the internal + External surfaces, we thus have a thickening, effusion, + adhesion, Pleuritis may be produced by a wound, Pain sharp + cutting - the friction sound is produced, quick pulse - The Respiratory murmur is not heard distinctly, we have dyspnoe - dullness on percussion. Aegophony is heard (or the Goat sound) The treatment for 1st Stage of Inflammation is the antiphlogistic, the 2nd of Pleurisy Stimulants - The Treatment of Pleuritis - Bleed, Opium - digitalis. veratrium viride. Local treatment, place the patient on the affected side, close the wound &c 2nd Stage - that of debility. feed the patient, use alteratives to promote absorption use Blisters should be used if serum is there - tap if needed - When puss forms remove it between the 6 + 8 on Right side 7 + 9 on left side -

December 21st Wounds of the Lungs - &c - When the skin is not broken we have wounds of lungs by spiculae of bone, or there may be contusions. Symptoms - whenever the lung tissue is broken there is nervous shock, with cough + frothy blood - Pain &c Treatment, whenever collapse ensues let the patient alone until he recovers. after which give a gentle purgative, opium, veratrium viride + Wounds which penetrate the soft parts + lungs - Sympt: Hemmorhage from natural orifice and vomits, brought up by the efforts of coughing, having bubbles of air in it. When a large quantity comes up with out any effort, shows that some of the larger vessels have been divided. And the injury more alarming - Blood sometimes accumulates in the pleura, causing depression of Lung - Emphysema "air in the lungs" - Air often forces itself into the cavity of chest when during expiration, & in finding its way out again through the external wound, gets into the cellular tissue - If much blood getting into the air cells we have a sound resembling the *mucous rale* - In nearly all Inflam we have 3 stages, viz, congestion effusion, & suppuration. Crepitant rale indicates the 1st Stage of Pneumonia. Which takes place from the rupturing of the air cells - 2nd Stage is Hepatization or effusion - Bronchial Res-passage of air through the air cells - Bronchophony - Decem 23rd Wounds of Lungs, Treatment; place patient on the side of wound, close the wound by adhesive plaster, Inject Sol: Sulph: Morphiae, and use cold water - do not bleed if possible - *always* give *Opium* or some of its preparations - and do not bleed - Use during treat veratrum viride and antiphlogistic Regimen - Tinct: Gelseminia, -

January 3rd 1868

Wounds of Abdomen, 1st wound without a solution of continuity of the abdominal parietes - Symptoms, The secerning organs are deranged, &c The Peritoneum may become inflamed - 2nd There is a wound in the external parietes without cutting the Peritoneum. It is not good Surgery to use sutures in gun shot wounds - Should there be foreign bodies in them, take them out with care, In using sutures carry the needle through the muscles as well as the integuments, so as to prevent hernia in future - Use Opium internally &c, 3rd We have a wound of the parietes, peritoneum & a protrusion of the Intestines, Replace the intestines, first washing them, and if the wound be not large enough, make it so; return them unless they are gangrenous, Then the danger is Inflammation of peritoneum, Old Surgeons purged after, but that is not required. but opium - 4th We have the 3rd with a wound of the intestine - If there be a small puncture raise the intestine and tie a fine thread of silk around the puncture (Surgeons Knot) If a larger incision be made use the interrupted suture - Then we have wounds of that kind with a protrusion of the Intestine, signs, there is a discharge of fecal matter, do not use purgatives, but opium freely - Illius or Intersusception

B B B B B B. B Wm B B W. B. Conway. Buckhouser B B B B B B B
B Ballm Baltm Ballm Baltimore Billy Buck B B Billy C B B B B

Baltimore Baltimore Mallias Billy B Billy Billie Conway

of the Intestine may take place, adhesion takes place and several inches slough off "Dr. Payne" - a wound of the kidney is a serious thing, as peritonitis and uraemia are produced - January 6th Dislocations,

Congenital, Traumatic, & Spontanious. Recent & Ancient Simple, compound, and Complicated, "Causes," Remote, Proxmte. Predisposing; synovial fluid collecting in the cavity produces it some times, age, morbid conditions. Mechanical action, and muscular action, Treatment. Reduce the part, 1st by manipulations 2nd by Extention & Counter Extension - "Humerus" Here we have a fracture of humerus with dislocation of its head reduce the dislocation 1st by applying splints & making exten. & counter extention - and then reduce the fracture -

January 8th Dislocation of Inf: Maxillary bone -

One Ligament only involved in it (External Lateral) Muscles - Temporal, Extern. Pteregoid & Intern., Masseter - The Coronoid jumps forward until it gets over the "eminencia articularis" Causes - Blows upon the chin &c Single or one side, the symptoms are very much like those of double dislocation, but the deformity is on the opposite side - Subluxation, Interarticular cartalage remains in situ while the bone moves forward - Treat: Place your fingers or your thumbs just as convenient in the mouth on molar teeth and bear down - If not successful, place a piece of wood in the mouth & bring the chin up to the upper teeth -

Dislocation of Clavicle - Sternal End - 4 ligaments - Superior Clavicula - Inter~~articular~~clavicular &c It may be carried in front - backward or downward - Treat: Carry shoulder backward & make pressure on the end of clavicle, to keep it in place, apply a compress over the part and carry adhesive strips across both shoulders, crossing each other at end of clavicle - when dislocated backward and down put your knee in back & pull the shoulders violently backwards -

Acromeal end can be readily diagnosed and readily reduced. We have Superior & Inferior dislocations - Jany 10th

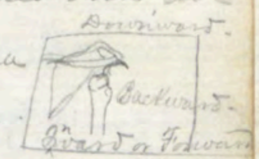
Dislocation of Head of Humerus, 3 in no. - Ligaments - Capsula embracing the head - Coraco-humeral ligament, Glenoid surrounding the cavity - Muscles, Supra spinatus, Infra Spinatus Teres minor - (Teres major, Latiss Dorsi, long head of triceps beneath the joint) Subscapula inserted into lesser tuberosity of Humerus - Coracobrachialis -

W WmB. BB B BWB C. WBC CBW BWC. BCW WBC

And / And then Below

(Pectoralis Major)

Deltoid &c. Circumflex nerves and arteries supply the joint— dislocations 3— 1st Below the Glenoid cavity— In front and under the coracoid process and 3rd Backward on infraspin of Scapula and below the spine of that bone— Causes, mechanical violence &c— Symptoms, deformity, depressions where prominences ought to be— and vice versa— Natural rotundaty of part gone— Immobility— The hand will not reach the opposite ~~side~~ shoulder. Capsular ligaments is ruptured— Pain is produced by pressure on the circumflex nerve— Treatment of 1st— Place your hand over the Scapular and grasp with the other the arm elevate it, carring it outward and then upward and it will slip in place, If that does not succeed place the heel in the axilla and make extension carring the arm a little out always having the scapula fixed— January 13th By manipulation we restore the bone by the hand. Forward & Inward. causes same as



those of former— Treatments is identically the same— 3rd Dislocation or that backward. The hand is carried readily to the head— Treat— apply the force downwards and a little outward— or force inwards and forward. A rupture of the long head of biceps muscle is sometimes called a partial dislocation— In all of these injuries carry the arm across the chest during the after treatment—

Elbow Joint Ligaments— Anterior— Post— lateral. & Orbicular— 1st Radius may be dislocation forward— backward and externally— Ulna may be dislocated backward, laterally & in front. They may both be carried backwards forward inwards & outwards, Jany 15th

Most common one of Radius is in front and upwards— diagnosis, if the head rotates under your hand, its proof enough— Treatment, hold the arm above and pull with other on forearm at same time pressing on the head with the thumb and then flex the arm— after Treatment, Keep the arm semi-flexed with compress in the bend and use the angular Splint— dislocation backward— Treat: almost same as first—

The Ulna backwards, pull the arm over the knee— Both bones may be carried back— Treatment Fix the Humerus and place the knee in the bend of arm and pull with other hand on the forearm flexing the arm slightly— Jany 17th 1868—

A dislocation forward of both bones is almost impossible without a fracture of the olecranon process— Treat, make exten & Counter Extension and place the knee against the inner side of the Humerus. 2 Lateral dislo. are very rare. "Look out for the Green Room"

Wrist Joint - The radius has styloid process outward and sigmoid notch inward for the Ulna, Fibro Cartilage enters into this joint below or between its bones - Jany 20-1868 - Dislocation of Wrist Joint - Anatomy; anterior, posterior an external and internal lateral ligam^ts we also have the annular ligaments. Enarthroidal Joint - Where the two rows unite they form a complicated joint athroidal Enarthroidal &c - Pisiform is united to the cuneiform by capsular ligm - Carpo-metacarpal articulation a fibrous band passes between them. Ball and socket joints -, Force directly upon the carpus the bones will be driven backwards, viz force on palmer surface, Fall ~~or~~ force on the dorsum will carry the bones inwards, if directly, outwards when the bones are carried backwards the hand is flexed & vice versa - difference between fracture and dislocation, find the styloid processes of the bones if normal its fracture, if not disl^n also crepitation &c, Reduction by making extent. & Count Ext pushing the bones with the hand - Metacarpal bone of Thumb may be dislocated any way, the dislocation of its 1st phalanx of thump is much more difficult "one of most in Surgery" - retained in its position by short tendons of flexor - "Dr Cansbys plan of Reduct - bend the thumb backward which shoves it in place - Jany 22nd 1868 -

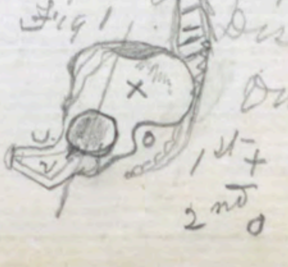
Dislocation of Hip Joint - 4 - in No. Fibro-Cartilage lines the Acetabulum we also have a Capsular ligament - The Ilio-Femoral ligament passes from the Infer^r Anter Spinous process and goes to the Trocanter Majr Ligamentum Teres - 2 Classes of Disloc^n By drawing a line perpendicularly through the Acetabulum, and in the 1st Class, the head of bone is carried out side of line - Inside 2nd Then the 2 great divisions divide into 2 subdiv - The outward 1st the head slides backward on dorsum 2 in the great ~~Sch~~ Ischiatic notch - and are the most common - 1st most common then 2 viz on the dorsum - limb in either is shortened -

In the 2, below or inwards, the leg is shortened, the head in 1st is found in Thyroid foramen - the Psoas & Iliacus are put upon the stretch causing the leg to be carried out in front or the body slightly bent forward - 2nd is on the Symphisis Pubis or little over -

Manipulation - Extension and Counter Extension are the means by which they may be reduced.

*

Fig 1 Dislocations



Inward
3rd v
4th ∪ -

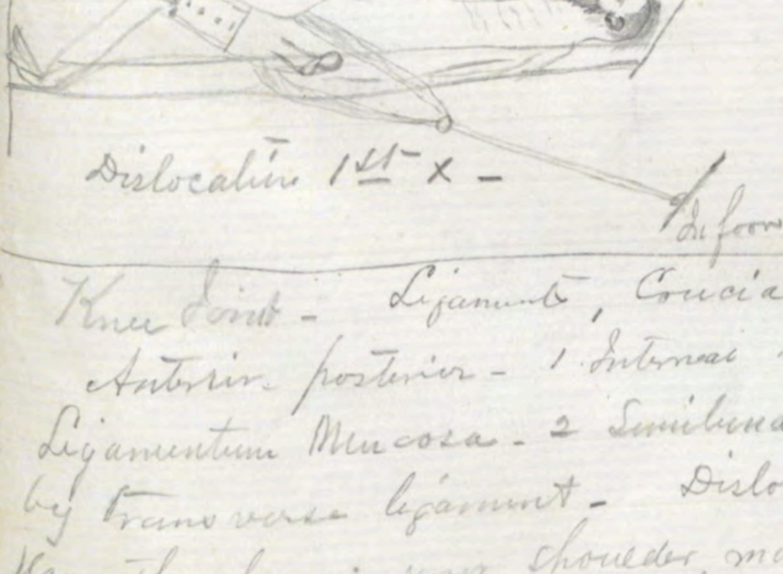
Outward
1st +
2nd o

"Ligation of arteries –" "Pall mall" – pemme

Ligation of the Subclavian in 3rd part that is from outer border of Scalenus Anticus to lower border of 1st Rib – In cutting we have the integument superficial fascia Platysma Myoides – Subscapular artery and vein – below it is the vein accompanying it – Axillary is also ligated in 3rd part, is found by feeling the head of the Humerus, has vein on inner side brachial plexus surrounding it – &c only the integuments superficial fascia &c is cut through – The Brachial is ligated in the upper third having the ulna nerve on inner side, median on outer and vein accompanying it – the Radial is seldom ligated, on account of the numerous anastomotic branches with ulna – It has the Radial nerve on outer side and the ulna artery has its accompanying nerve on the inner side –

* By manipulation, use the limb as a leaver and rotate it in that direction more conducive to the reduction of it – By Ext & Counter Ext – in this wise, Fig 2 –

Fig 2



Dislocation 1st x –

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Knee Joint – Ligaments, Crucial 2, cross each other – Anterior posterior – 1 Internal lat & 2 External lateral – Ligamentum Mucosa – 2 Semilunar cartilages connected in front by transverse ligament – Dislocation of Patella – Reduce it place the leg on your shoulder, making the patient keep his seat in a chair – Ankle Joint – 4 dislocations, Inward is most common form, in forward dis. the ~~tenotomy~~ has to be used on the tendo achillis. In most of these dis.'s the fibula is broken –

[Cuboid, External]

Jany 27th 1868_

31 *Amputations* (General) Divided in to two Kinds primary and 2ndry_ 1st occurring between the time at which the accident occurred and the first 48 hours_ 2ndry is that performed after pus has formed or between the inflammatory process and that of Suppuration_ Methods_ Circular, Flap and double flap_ The lower limbs require amputation from slighter wounds than the upper_ Jany 30 _

In *Necrosis* the bone dies en masse but in *Caries* it takes place by molecules and called molecular death_ Operations Hays_ Lisfranks

Wm.B.Conway.M.D
Va.

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Va.

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W.B.Conway M.D

W.B.Conway M.D

And elevate to the highest standard of civilization those who might be degraded to the level of a brute.—

Dr. Wm. B. Conway. Wolftown, Va.

Jany 27th 1868 -

## Surgical -

| | $ | | $ |
|---|---|---|---|
| Cutting off Uvula | 5.00 | Trac. + Laryngot. | 50.00 |
| Op: for Varicose Veins - | 20.00 | Ext bodies from Œsophagus - | 25.00 |
| Tying Artery in wound - | 10.00 | Op. Fistula in Ano - | 25.00 |
| Ext. Hemorrhoids | 25.00 | " Hair lip - | 30.00 |
| " Cancerous Lip | 25.00 | Perf: Antrum Maxillary | 10.00 |

| | |
|---|---|
| Tapping Abd. + Thor. - | 25.00 |
| " Hydrocele | 10.00 |
| Red: Strang. Hernia | 10.00 |
| Applying truss - | 2.00 |
| Introd: of Catheter male + Fem | 2.50 |
| Gonorrhoea + Syphil - | 10.00 |

Fractures -

| | | | |
|---|---|---|---|
| Low Jaw - | 25.00 | Leg - | 20.00 |
| Nose | 5.00 | Finger or toe | 5.00 |
| Clavicle | 15.00 | Rib | 10.00 |
| Arm or forearm - | 15.00 | | |

| | | |
|---|---|---|
| Reducing | Jaw - Clavicle or Wrist | 10.00 |
| " | Shoulder - Hip (30.00) Knee or ankle - | 20.00 |
| " | Finger toe or Patella | 5.00 |

| | | | |
|---|---|---|---|
| Extirpating tumours - | $ 5 - 50.00 | Scarif: + Cupping | 1.00 |
| Open Common Abscess | 1.00 | Arrest Epistaxis | 5.00 |
| Venesection | .50 | Ext: Teeth | .50 |
| Insert Seton or Issue - | 2.50 | Attend at Court - | 10.00 |
| | | Po - Mort - Exm - | 5.00 |

## Midwifery -

| | |
|---|---|
| Ob: case - | 10.00 |
| Exm. Per. Vag. - | 5.00 |
| Deliv. Plac. - | 5.00 |

Consultation ride 5.00

Office Prescrip - 50 - 1.00

Visit in town 1.00 - 50 cts each visit in day

Country visit $2.00 first 2 miles - 50 ct each mile over - 50 cts will be charged for each patient ~~extra~~ when several cases in one family -

"A day which will be prominent in my life"
Now let us come to an understanding with each other —
You realize I suppose that I am your prisoner —
There is no language which can do my feelings justice
I realize my own feeble efforts & cast my burden in prayerful faith, upon the Great Master of life

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Mc. Gaheysville Obstetrical cases delivered by W. B. Conway — M.D.

1869 — May 16th — Case — I Mrs Shifdett — Age 29 — Second child — I Presentation — protracted 24 hours — Gave Ext Ergot in latter stages — Placenta came of in 10 minutes after deliv.r of child — — Female —

2

July — Mrs. Carson "Cob" Age 31 — 3rd Child. I Presentation — Delivered in 2 hours after arriving — I delivered the Placenta by gentle traction on the cord 15 minutes after birth of Child — — Female —

III

— Miss Showalter — (Illegitimate)
Oct 16th. Age — 19 — 1st child — I Presentation — Case protracted 24 hours — child still born — Resusitated after trying many remedies — Haemorrhage profuse, introduced my hand & turned out the clot, which shut it off after her loosing much blood — Used Pulv: Ergot & Wet clothes to the Hypogastric reg: — Delivered the placenta by traction 20 minutes after deliv of child — — Female —

IV

Mrs Vance —
Dec 18th — Age 31 — 1st Child — I presentation — Delivered in 3 hours after arriving — Del: Placenta by traction on cord. Gave 10 grs Ergot during last pains — Nothing of interest about the case — All O.K. — Female —

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On the 16 of February 1870 I moved to "Weyers Cave" —

"Weyers Cave" 1870

Obstetrical cases delivered by B.B. Conway –

March 18th – V Case – or [illegible] –

Mrs Wm Sipo –

Age 29 – 2nd child – II Presentation – Delivered in one hour after arriving – Delivered Placenta in 15 minutes by traction – Gave Ergot: Pulv – 10 grs during last pains –

– Female – again

VI

Mrs Jackson "Colored" – May –

Age 19 – Primipera – I Presentation – I arrived at 7½ A.M. child born 9½ do – Gave Ergot 15 grs just as the last pain came on – placenta was delivered in 5 minutes (having lodged in the vagina), by traction on cord – Womb contracted well no haemorrhage – – Male –

VII

Mrs Nelson Jackson "Col" June 3rd –

Age 29 – 4th child – child born just as I arrived – 6 o'clock A.M. I delivered the placenta in 30 minutes by traction on cord – no haemorrhage – – Female –

VIII

Age 27 – 2nd child – I Presentation

Mrs Wm Low – June 5 – 1870 –

In Labor 4 hours – good labor – Adherent placenta, separated it with my hand in 1 hour after labor –

no hemorrhage – Severe after pains – gave opium & camphor – Male –

IX

Age 30 – Mrs Albert McCarthey – col – June 22nd 70

I. Presentation – In labor 2 hours – Spontaneous delivery of the placenta – no haemorrhage – gave Pulv Ergot at the delivery 10 grains Applyed bandage to her abdomen – – Female –

X

Age 29 – Sara Johnston "Col" Aug 20 – 70

I Pres – In labor 6 hours –

Good and natural labor – – Male –

11

## XI

Mrs La Fayette Mactinney - Sept 25 - 1871
Age 23 - I presentation - I arrived at 1 o'clock P.M.
Child born at 1.15 minutes past - Good labor - Delivered
the placenta with my hand which was held fast by the contraction
of the mouth of the womb - No hemorrhage - — Male —

## XII

IIIIIII

Mrs Geo Dull - Nov 8 - 1870
Age 30 - I pres - I arrived at 5 A.M. good labor
child born at 20 minutes past 4 o'clock P.M. Delivered
placenta with my hand which was held fast in the vagina -
No Hemorrhage — Male —

## XIII

Mrs Robt Scott "col" Nov 29 - 1870
Age. 21 - Primipera - I presentation with extension of
Forceps 11/23/65
the chin and vertex caught behind the os pubis
requiring forceps - In labor 3 days and two nights
applyed forceps at 4 P.M. deliv.d child at 5 1/2 o'clock
also delivered placenta five minutes after - Child lived
half hour after birth finally died - — Male —

## X.IV

Mrs Squire Walker "col" Jany 20 - 1871
Age - 23 - Primipera - I pres - Arrived at 9 A.M.
pains ~~weak~~ - gave Ergot ~~10~~ gr. 10 repeated dose in
half hour - Labor ended at 10 - Del - after birth
by traction on cord in 15 minutes - Female -

Cases in & near Blacksburg -

| | | | |
|---|---|---|---|
| Mrs Jno Scanttain - | 15 | Mrs - Dony col | 22 |
| " Bettie Bean - col | 16 | Mrs R. M. Stone. | 23 - |
| " Green Wall - | 17 | " J. W. Price - | 24 - |
| " Taylor Pesfalen | 18 - | " Mandy More - col | 25 - |
| Miss ~~Rachel~~ Day | 19 - | | |
| Mrs Wm Morris - | 20 | | |
| " Gabriel Smith | 21 | | |

# Notes on Medical Chemistry and Pharmacy

Chemistry is the science which treats of the composition and relation of ponderable bodies, and the phenomena resulting from their reaction –

| Water – | oxide-Silver | ox-Copper | ox-Zinc |
|---|---|---|---|
| oxygen – 88.9 | ox = 6.9 | ox = 20.1 | ox = 19.6 |
| Hydrogen – 11.1 | Ag = 93.1 | Cu = 79.9 | Z = 80.4 |
| 100.0 | 1000 | 1000 | 100.0 |

All acids redden Litmus, an alkali restores its color –

A base is a compound which neutralizes acids Ba O, $NO_5$ nitrate of Baryta

Carbonate of Lime of the water in caves forms the Stalactites – 3 parts of muriatic acid and one of Nitric desolves gold – Double affinity, Solution of Iodide of Potass, & Corrosive Sublimate, $Hg \cdot Cl_2$ forms $\overset{Ka}{}$ $\overset{Bi}{}$ Iodide of Mercury – a Red Sol

HCl muriatic acid water . (Iodide, as in Oxygen and Hydrogen

Na O Soda chloride of soda – Miss S. Williams Pannier –

| Names | Symb. | Comb. Number or Equiv. | Comb. Vol. | Sp. grav. |
|---|---|---|---|---|
| Oxygen | O | 8 | 50 | 1.1024 |
| Hydrogen – | H | 1 | | 0.0689 |
| Nitrogen | N | 14.15 | | 0.9727. |
| Chlorine | Cl | 36 | | 2.47 – |
| Bromine | Br | 78.4 | | 2.966 |
| Iodine | I | 127.1 | | 3.0844 |
| Fluorine | F | 18.68 | | 1.99 |
| Sulphur | S | 16 | | 1.99 |
| Selenium | Se | | | 4.3 |
| Phosphorus | P. | 32 | | 1.77 |
| Carbon | C | 6 | | 3.5 |
| Boron | B | 11. | | 1.83 |
| Silicon | Si | 22 | | 2.66 |
| Zirconium | Zn | 33.62 | metals. | |
| Aluminium | Al | 14 | | |
| Magnesium | Mg | 12.4. | | |
| Calcium | Ca | 20. | | |
| Barium | Ba | 69 | | |
| Strontium | Sr | 44 | | |
| Potassium | Ka | 39. | | 86 |
| Sodium | Na | 23 | | 19.3 |
| Gold | Au | 200 | | |
| Platinum. | Pl | 98.8 | | |
| Silver | Ag | 108 | | 10.5 |
| Mercury | Hg | 202 | | |

$CO^2$ = Carbonic acid

8" Cryophorus" or Frost" carrier –

| Names | Symb | Eqv. |
|---|---|---|
| Copper | Cu | 32 |
| Lead | Pb | 104 |
| Tin | Sn | 59. |
| Bismuth | Bi | 71 |
| Iron | Fe | 28 |
| Zinc | Zn | 32,3 |
| Arsenic | As | 37. |
| Antimony | Sb | 64. |
| Phosph | | |

Chemical Combination

| | Sulph: | Oxy- |
|---|---|---|
| Sulphurous acid, | | |
| Sulphuric ac. | 1 | 2 – |
| | 1 | 3 |
| HypoSulphurous | 2 | 2 |
| " ric, | 2 | 5 |

Sulphuric acid if mixed with hot water explodes Baryta is its test, forming Sulphate of Baryta

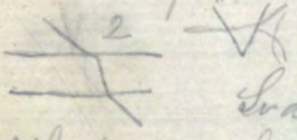
To convert centigrade degrees into Fahrenheit multiply by 9 divide by 5 and add 32 vice versa, subtract 32, mult. by 5 and divd by 9 –

Heat may be communicated by conduction, radiation, & reflection metals are the best conductors as gold & lead the worst –

about 62 Elementary substances are known and about 18 or 19 are in plants and Animals –

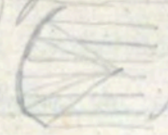
If mercury at at 162° is mixed with water at 100° the water will be raised to 102° & the ~~mercury~~ mixture ~~will fall to 160°~~ will be at 102° — If, on the other hand, the water be at 162° and the mercury at 100° the mixture will be at 160° — the water having raised the mercury 60° by losing 2° of its heat —

Light — passing from a rarer to denser Fig 2.



Strontium if burned gives a red light —

Sodium produces a yellow color —



Parabolic Mirror
Heat reflected to a single point —

The best reflecting surfaces are always the worse radiators — Dew is the condensation of the air, which becomes cool from the absence of the rays of the sun — Sea breeze, when the sun rises the earth heats much sooner than the water causing the air over it to rise, creating a vacuum and the air from the sea rushes in to fill the space, and at night vice versa — Light is necessary for life, under its effects Chlorine and hydrogen combine. The salts of Silver are blackened and decomposed by it. The leaves of plants decompose the carbonic acid of the air, taking up carbon and giving off oxygen — The dew point is the temperature at which moisture is deposited from the air — Magnetism — When two magnetized bars (dissimilar) are brought into contact they attract each other, but when similar ones as north and north or S & S. they repel each other — Simplest form of a Ammonia is a base which combines either with a base or an acid — A base is a compound of an acid, ^grains of crystallizing Sub Protoxide Sesqui Bin or deutoxide Teroxide or tritoxide and highest Peroxide or Superoxide — To obtain oxygen, expose the Red oxide of mercury to a heat when the mer^c will be disengaged — To obtain Hydrogen, put a small piece of Zinc in water and add Sulph acid when by the action of the acid the oxygen combine with Zinc, and sets Hydrogen free — a volume of air will sustain a column of mercury at 30 inches and a 33 feet of water. 375 volumes are gained in heating air from 32 to 212 — Water will absorb 700 times its amount of water — Cl Na sea water — Al clay — Decomposition $\begin{array}{ll} AgO\,NO_5 & AgCl \\ Na\,Cl & NaO\,NO_5 \end{array}$ and Recomposition — Cohesion is the attraction by which substances are held together — Substances that contain only C & H are Olefiant Gas and other Hydro-Carbons. Nitrogen forms an important part in vegetable alkalies — The proximate elements of vegetables, starch, Sugar morphia and Quinia &c the Ultimate are C. H. &c $NH_3$ Ammonia

Ammonia is made from Camels Dung —

"Nitrogen constitutes about 4/5 of the atmosphere"

Oct 31st Important - 1864

An acid & an Alkali united formes a salt = Acid being, negative and alKali 42 positive - An acid is a substance which reddens litmus and neutralizes alkalies - An alKali is an oxide of a metal, restores the blue color of litmus and neutralises acids - A salt is a combination of an acid & an a Base - A metal combining with chlorine Bromine Iodine fluorine & the radicals of the hydracids, formes whats called haloid salts or (Sea Salt) - A Base is a substance when combined with an acid formes a salt =

---

November 5th 1864 -

Oxygen - combining volume 1/2. $PO_3$. $PO_5$ = Solution of Phosphorous inflames Spontaneously when exposed to the air - Oxygen combines with all ~~non~~ metalic bodies - Oxygen forming with metals are called oxides - Cinders in B-Shops are the protoxide of Iron - 3/7 of lb of oxygen is consumed by man in 24 hours - "Compounds of oxygen"

| | |
|---|---|
| $KO$ | Potassium |
| $Fe_2O_3$ | oxide Ferri |
| $PO_5$ - | acid: Phosph: |
| $SO_2$ | acid Sulphurous - |
| $CO_2$ | " Carbonic - |
| $HO$. | water - |

Chlorate Potassa & charcoal, if heated explode, violently -
" " & Sulphur " " " "
Lights arise from the decomposition of substances rich in Hydro-carbon - Whats capillary attraction? it is the force by which the laws of atmospheric pressure are overcome - Hydrogen Symbol H Combining vol 1. Comb. Volume 1. Sp. Gr. 0961. Sodium decomposes water. By adding Sulph: acid to Zinc filings + water we have an evolution of Hydrogen as in Fig 2, which can be lited, an formes the "Phylosophers Candle" -

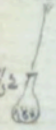


Fig 2

Water Symbol H.O. Combining Vol 9 - Sp. Gr. 1 - Water is analyzed by electrolosys - Nitrate of Silver is test for the chlorides in water - (Questions asked) Density is exactly the opposite to Sp. Gr. Sp. Gr is the ratio of the weights of equal volumes - Hydromometer is an instrument for measuring fluids, or finding their Sp. Gr. How do you find the Sp. Gr. of fluids? How is Sp. Gr. of Gases taken? Get the weight of a given quantity and compare it to some other of a Standard - How is the Sp. Gr. of an object solid lighter than water is obtained? Air is Standard of Sp. Gr for Gases - When two gases are brought together they are fused - Are gases condensible? Yes - Test for $SO_3$ in water, (~~By~~ Barium, for Na, by produces a Yellow color in flame, for Ca, by $SO_3$ -) Cl, ( [illegible] Cl by AgO, $NO_5$ - For Fe, by ferrocyanide Potassium - Bin: Iodide of mercury is formed by union of Corrosive Sublimate and Potass Iodide & gives a beautiful Red Colour - Heat is produced by mixing $SO_3$ with water, therefore great care should be taken in diluting the acid - Nitrogen is formed by the addition of phosphorus or burning it under a glass, it combines with the oxygen and sets the N. free - Protoxide N. Binoxide N. Hypo Nitrous oxide acid nitrous acid & nitric acid - Nitrous oxide contains chlorine

(Nitrogen gas immediatly extinguishes flames-)

246 Schroeder st
Baltimore Md

"December 10th"

43 Ard is a Stimulant - Chlorine may be detected by a Solu of Nitrate Silver - $NH_3HONO_5 = 4HO + 2NO$ - Muriatic acid - $NaCl$, $HO$, $SO_3$ → $HCl$ - $NaOSO_3$ = Hydrochloric acid
"Phosphorous burns in chlorine gas - also antimony - oil Turpentine produces lampblack - Test for chlorine in water, nitrate Silver (Sol) Chlorine, Equivt. 36.5 Sym Cl. greenish yellow color -

Iodine, Combining number 126. Symbol I. Sp Gr 4.95 - Derived from Kelp - But very little if any is found in Sea water. The vapor is obtained by sublimation of heat which produces a red vapor - Paper saturated with starch is rendered blue by the presence of the vapor - Solution of Iodine is made blue by addition of starch - Iodic acid $IO_5$ + Periodic acid $IO_7$ only 2 compounds with oxygen - Iodide Potass, Bichloride mercury, gives Iodide Hydrargyri a red color - Bromine. Sym Br. Comb No 80. Is very volatile - Preparation is similar to that of Iodine Tests, Paper wet with starch and put in the vapor is turned yellow. Bromic acid + Hydrobromic acid - Bromine gives yellow precipitate with nitrate Silver. Fluorine is a gas, Equiv. 19 - found in sea water, bones, & enamel of teeth, forms with Hydrogen, HF, If a stone of diamond is acted upon by Hydrofluoric acid, it's not pure Diamond that's the best test - Presence of organic matter is know by its color, smell &c Most of drinking water contains 20 grs of impurities to gallon + When ink has been frozen the salts are precipitated and the ink becomes pale - Carbon - Sym C. Com. No 6. Preparation By adding Hydrochloric acid to fragments of marble or chalk - 2 compounds occur Carbon acid $CO_2$ + Carb oxide $CO$ - used as decolourizers

Coal Gas (common burning gas)

Composition

| | | |
|---|---|---|
| Hydrogen - | $H.$ | 46.6 |
| Marsh gas. | $C_2H_4$. | 34.9 |
| Carbonic oxide | $CO$. | 6.6 |
| Olefiant gas - | $C_4H_4$ | 4.0 |
| $CO_2$ | | 3.7 |
| oil gas. | $C_8H_8$. | 2.4 |
| H.S. - | | 0.3 - |
| N. | | 2.5 |
| | | 100.0 |

Boron. Sym B.
Com Vol 11.
Biborate Soda - Borax

Silicon is found in Barley stems also in wheat + Bamboo by its joints - Silicon, Sym S
Silicic acid - Sand - Com Vol. 22.
Silicate of Soda - Glass - Meerschaum or Silicate Magnesia $MgO - SiO_3 + HO$
Soap Stone " "
The transparent glass has lead in it + should not be used for chemical purposes -

Test for Phosphates & the acid - Gives yellow precipitate to Nitrate Silver -

46

Prof Moffit M.D. "Pres" [illegible]

Potassium - is lighter than water Sp. Gr. .86 gives purple color when burned - Decomposes water when thrown in it, uniting with the oxygen of water and inflames -

When you have Potassa how do you get Potassium? in this way, we have $KO$ and by burning with Carbon we get it -

Iron. Ferrum - Fe. = 28 S. G. 7.8 -

$FeO_3$ Ferric acid. $Fe_2O_3$ Sesqui oxide Iron - latter is made by mixing 1 part of persulphate of Iron + 3 parts water, then precipitate that with Ammonia as long as you see ~~that~~ a precipitate is forming, now filter the mixture through linen, muslin or white paper, the ~~residue~~ water comes off, will ~~be~~ as clear ~~as water~~. Take a little of the mixture and pass it over Hydrogen (after its dryed) and we have Iron by Hydrogen - Iodide Potass is made by adding Potass to Iodide Iron - Ferro cyanide of Iron or Prussian Blue - Oxalic acid added to Proto Sulph iron we have Ink - Feb 6th 1868 -

Manganese Sy Mn = 28 - Zinc Sy Zn = 32 - Tin Sy Sn = 5

~~47~~
187

Mr ______

To Corporation of Blacksburg Dr.

| | | $ | c |
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| To one Tithe | | | 50 |
| " Personal Property - $500 - | 60¢ | 3 . | 00 |
| " Real Estate - 2025 | 60¢ | 12 . | 15 |
| | | $15 . | 15 |

Rec'd pay -

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Dr. W B Conway
Clk ___

Wm B Conway

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# Notes on Descriptive and Surgical Anatomy –

The tissues of the Human body, Areola or connective tissue, 2 Vascula tissue bloodvessels, lymphatics, and lacteals, 3 Nervous tis, 4 Epithelial tis – 5 Pigmentary 6 Adipose – 7 Musculartis – 8 Fibrous, 9 Yellow Elastic, 10 Cartilaginous, including fibro-cartilag – 11 osseous – 12 Cutaneous, 13 Mucous, membrane 14 Serous, 15 Glandular tissue –

Ultimate Physical Elements of Human body –

1st Homogeneous filament –
2nd " Membrane –
3rd " Granules –
4th " Liquid –

Ultimate chemicals elements in Body
Oxygen, Nitrogen, Carbon, Hydrogen
Chlorine, Phosphorus, Sulphur, Calcium
Sodium, Potas., magnes. Silicon –
Iron + Flourine –

Proximate chemical Elements of Body –
1st group Nitrogenized Element peculiarly organic –
2nd " Non – " " " "
3rd " Elements not peculiarly organic –
4th " Elements resulting from the disintegration of the tissues during ordinary ~~ordinary~~ vital action – passed off in the Secretions.

The ossa Warmiana are small bodies situated in the Sutures – No of bones in the Skeleton 246 – The Ethmoid bone consists of a central Lamella and latteral halves – The Lacrymal Bone articulates with the Ethmoid + assists in forming the floor of the orbit, and portion of the nasal duct –

November 1st – Sutures – we have serrated – Harmonia as between the pallati – + schindelesis as vomer and sphenoid – Regions of the skull – Superior – Lateral – posterior foramen lacerum trans the Jugular vein and 8th pair nerves. What constitutes the suspensary ligament of the penis? the Superficial fascia of the abdomen – External abdominal ring is found in the tendenous expansion of the External oblique muscle and transmits the Spermatic cord – Inguinal canal extends from the external opening + the Internal ring, which is formed the lower part of the internal obli[illegible] – Peroneus Longus is on outer side of leg and is often cut near the cuboid into which it is inserted –

December 23 – The bladder is held in its place by ligaments; true + false or lateral and anterior – the lateral ligaments are folds of peritoneum the [illegible] – Bladder is divided in to body, fundus – Areola + muscular tissue and mucous – Muscular coat [illegible] contains 3 different layers – longt, circular, + oblique, Trigone Vessica on bladder

Prof: A.A. Foard M.D. "Dean of Faculty" -

The vesicula seminales are two little bodies formed on the lower part of the bladder & have a duct that empties into the vas deferens. The Prostate Gland is composed of two lobes, one upper & the other lower. Rasmons glands formicular tissue are formed in the lower portion. Urethra is divided into 3 portions prostatic - bulbous &c 15 or 20 ducts lead from the prostate gland. Cowpers glands are formed just behind the bulbous portion. Corpora Cavernosa forming upper & lateral portion. Corpora Spongiosa commences behind at the bulb & forms the Glans Penis - Corona Glandis - Prepuce - Lacuna magnus sometimes obstructs instruments - The Dartos muscle divides the scrotum into 2 parts - Superficial fasc. intercolumn fascia cremaster muscle, fascia transv. covers the testicle - Tunica Vaginalis contains the fluid in Hydrocele -

January 6th 1868 -

Lungs. Divided into base, body, apex, Roots (where vessels enter) and lobes - Constituents, Bronchia blood vessels. nerves and Lymphatics -

Jany 8th 1868 - The Pericardium is not attached to the heart but to the vessels springing off from it - Blood passes about 12 inches per second in the arteries - About 15 sinuses in brain - longitudinal Sup$^{r}$ & Inferior - lateral Sinuses. Occipital sinuses - pass on either side of oc$^{c}$ foramen and unite with lateral at Torcular Herophili - Cavernous sinus, circular unites with petrosal sinuses, all empty into one Inter Jugular -

Brain, Falx, Tentorium, Dura mater, arachnoid, Pia mater, Convolutions, Involutions, "Glandulae Pacchioni". Circulation, Vertebral arteries enter Foram mag, & unite, give off ant$^{r}$. & Post$^{r}$ Spinal arteries, also meningeal - Basilar is then formed gives off Post$^{r}$ Cerebella then passes forward & gives off Ant$^{r}$ Cerebella, then forms Communi$^{cat}$ branch, then gives off Post & Ant$^{r}$ Cerebral, Grey matter on outside - Convolutions are signs of Intellect - "At the bottom of Septum Lucidum we have 5th Ventricle - Just between the Thalami optici we have 3rd Ventricles - The valve of Vieussens covers up the way to the 4th ventricle which lays between the Cerebellum and medulla -" Corpus Dentatum is in Cerebellum -

## The Urethra -

The Urethra is composed of 3 parts, prostatic, membranous, + Spongy. The 1st contains the veru montanum, and on either side is the sinus prostaticus which has emptying into it 15 or 20 ducts from the Prostate Gland - the canal at that portion is contracted unless during the action of the Detrusor muscle, "de- and Trusere, to thrust" -

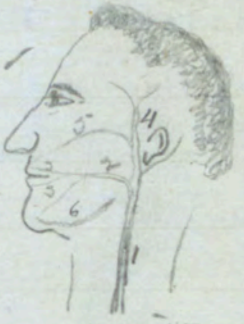
The Membranous portion is some thing less than an inch in length, 3 lines in diameter, passes from the apex of prostate to bulb of corp Spong: through the triangular ligament - composed of mucous, muscular + the compressor muscle - Spongy portion about 6 inches in length - forms the rest of the canal - and is lodged in the corp Spongiosum -

Bulbous portion is at its posterior, Cowpers Gland are situated on the sides of the membranous portion and their ducts 2 in no pass forward and empty into the bulbous portion of the Spongy portion - On the inner surface of the spongy portion are to be found a no of lacunae apertures of mucous glands - The lacunae magna is about an inch in and above the canal in spongy portion - The duct of the vesicula seminalis (Ejaculatory Duct) passes through the prostate Gland - Trigonum vesicae is found at or near the neck of Bladder -

D. Jno Y. Summonier. Feb 6th -

In attempting to cut the throat, the Hyoidian artery is generally wounded - In performing tracheotomy and laryngotomy, make a vertical incision in the former and a transverse in the latter, in this you are compelled to cut a small branch of Thyroidie -

Sexton Pro tem -



1 Carotid artery Ext.
2 .facial. 33 Coronary
4 Temporal - 5 Trans. facial
6 Infer. max from Inter Carotid

## Empyricism Fogyism &c – Old woman-ism &c –

~~I live & practice my profession in a beautiful little valley lying between the Massanutton & Blue Ridge mountains in Rockingham Co Va – The Shenandoah river with its wide spread [illegible] bottoms, which it [illegible] courses its way calmly though tortuously onward to the Potomac, its waters gently [illegible] the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] in along its shores to greet the warblings – No doubt its name fell familiarly upon the Ears of some of the readers of the Bulletin who trod its banks under the booming sounds of cannon & musketry [illegible] Commanders of Stonewall Jacksons Command – In a word, tis a valley abounding in wealth with every thing to allure the [illegible] [illegible] stranger. My little village is one of 3 or 4 hundred inhabitants & contains in the place with a professional brother who [illegible] [illegible] [illegible] of medicine & surgery [illegible] [illegible] [illegible] [illegible] – [illegible] [illegible] [illegible] is well represented,~~

~~My preliminary remarks are addressed thus to show how my subject despite civilization holds her own –~~

~~"You may break you may shatter the vase if you will~~
~~But the scent of the roses will hang round it still" –~~

~~Although my experience as a practitioner of medicine is very limited owing to the time in which I have been practicing being a Junior Dr. else I have learned in that little time things that I had not dreamed of as cures (infallible)~~

~~Being called upon to see Mrs – suffering with prolapsus uteri from several months standing used Dewees disck pessary with happiest Effects – I afterwards asked her why she did not have it adjusted before, she stated she had been under treatment of an old woman from several months, they had pulled out some hot embers & ashes from the fire place every night & morning standing over would drip the contents of her bladder on them receiving the small particles of ashes with the [illegible] vapor upon the External genitalia which she thought would replace the womb –~~

Despite the intellect refinement which prevails in our country and for publication some prescriptions which may answer a good purpose –

67 Tinct Lupulin Dose ℨi - Tartar Emetic as an arterial Sedative Dose 1 gr Repeat - (Shields Hydrocyanic Acid always ask for when you wish it - and not "gay lussacks" -
Emetia, active principle of Ipecac -

## Materia Medica + Therapeutics, Prof: Clagett -

December 23rd 1867-

Nux Vomica about ʒi is enough to kill an adult. Signs, venous congestion occurs - Treat: for Poisoning by Nux Vomica, Emetic, sulph Zinc, animal charcole &c. Therapatic applycation, Dyspepsia, all diseases dependent upon loss of nervous power. Palsey, its used in this more than any other disease. In inflammation of spinal marrow it does no good. Dose 5 grs 3 times day increased but not over 30 grs - Extract is given in 1/2 grs - Strichnia, ℞ Nux Vomica - lime - and Muriatic acid, alcohol &c, nitric acid, animal charcole - Test for Strichnia a little of the alkali must be rubed with sulph: acid &c Chromate of Potass & Sol: Strichnia mixed produces a violet colour - Dose 1/24 gr. 1/12 as soon as a jerking of the muscles are produced suspend the medicine. administration, weigh out as much as you want & add some acid with the water & dissolve it.

℞ A. C Pill -
Rubarb
Aloes
Calomel āā gr j

Chapmans Dinner pills
Aloes
Rhubarb
Mastich āā gr i

[illegible] Tonic
Extract Nux Vomica gr 8
Ferri: Oxid Sulph: ʒi daily
m 24 pills. one 3 times

Cooks Pill -
Pulv Aloes. gr i
" Rhubarb gr i
Calomel gr 1/2
Soap gr 1/2
m Dose 1 to 3 -

Lady Websters Dinner
℞ Pulv Aloes ʒvi
Gum Mastiche
Red Roses āā ʒii -
Syrup Wormwood q.s.
m Divide it so as 3 grains be in each mass -

Hoopers Female Pill -
℞ Bart: Aloes ʒviij
Sulph: Ferri (Dry) ʒii
Ext Hellebore ʒii -
Pulv Myrrh ʒii -
Soap ʒii -
Pulv Canella ʒi
" Ginger ʒi -
m, Div into Pills each containing 2 1/2 grs -

Liver Pills -
℞ Pill Hydrar grs 3 -
Ext Hyoscyam gr i
Ex: Colocynth: com gr i.
m in one Pill.

Dyspepsia
Bism Sub Nit 5 grs
Ext Nux Vomica 1/2 gr
m one dose

Plummers Pills -
℞ Calomel
Oxy sulph: antimony āā ʒii
Pulv: Guaiac + molasses ʒss -
Rub Calomel + Guaiac on together + then the balance -

For Liver Complaints.
℞ Podophilli gr vi -
Leptandrum gr viij -
Ext Hyoscyam gr 12 -
m. Ft 10 Pills -

Billy Conway - Billy Conway -

69 January 3rd 1868 - "Professor Hagett -"

General Sedatives, Cold, Used in Hemorrhages &c Primary effect, is Sedative, 2ndly, is a tonic &c - nothing better in burns, conjunctivitis, piles, &c - Gastritis, is treated by ice, swollen large lumps - Used internally to dilute the blood and render the secretions less irritating - Spasms of Stomach give warm water, also in difficult labor. January 6th Bleeding - In congestion of Brain 40 ounces of Blood can be taken - If you want to good effects of Bleeding do not carry it to syncope, in Spasm of glottis bleed - Arteriotomy & Venesection - If quantity is less than 6 ℥ to be taken, had better take it locally - American leach takes about a ʒ the European ʒss - Its customary to prescribe Amerⁿ leaches for children, and Europes in Adults - To stop the Hemorrhage use persulph Iron or Alum after its been boiled - or under side of the Matico leaf - "Arterial Sedatives" Diminishes the force and diminution of the Hearts action -

℞ Tinea Capitis &c
Corrosive Sublime: grs 15
Nitrate Potass ʒss -
Flowers Sulph: ʒi
Adeps ℥i
m and apply

("Croup Membranous")
Tartar Emet gr ij
Syrup Ipecac ʒi
Oxymel Squillae ℥iss
Infusion Polyga: ℥iv -
Teaspoonful 3 times daily
for children

Formulas
℞ Aqua Ammon: (Fort) parts 6 -
Spts Rose - Mary " 2
" Camphor 1
apply with sponge to produce Blister -

Rheumatism Ch
℞ Iod: Potass ʒii
Vin. Sem. Colch: ʒss
Tinc: Cincho (comp) ℥ii
" Gentian (comp) ℥iss
" Guaiacum ʒss -
Chlor: Ammon ʒi
m & Ft. Sol. S.
Teaspoonf, half hour before each meal

Arterial Sedatives -
Antimony Syn: St. Cin Vol 129. Its a metal - "Tartar Emetic" - Prepared by saturating the excess of tartaric acid with Potass & Antim - When Tartar Emetic vomits too much may be corrected by Opium, morphia, &c - Emmet Tartar ʒi Croton oil ʒi but use very cautiously, if too strong dilute it with olive oil - Antidote for Tartar Emetic - Tea - Bark - Sulphuretted Hydrogen gas - Externally, Tartar Emet ʒii to ℥i lard - (Comp: Syrup: Squills contains Tartar Emetic - ℞ Oxysulph: Antimony - Golden Sulph: Antimony - "Kermes Mineral, or Precipitated Sulph: antimony" - "James Powder, alias Antimonial powder." Dose 3 to 4 grs - Soon as they begin to vomit or purge stop them - viz all the preparations of Antimony -

"Nitrate Potass -" (Black Antimony - Horse medicine) -

"Common Salt, is detected in Nitrate of Potash by Nitrate Silver" - Dose 10 grs. It's some times taken through mistake for some of the salts - It given in large amount of water hardly ever poison" -

Antimony - Combining No 129·$\frac{15}{60}$

Contra indicated by debility and aplastic condition &c. Its given in form 70 of Nitrous Powders - In Rheumatisms given in large doses is a very good remedy also in Croup - Scurvy being a condition of a deficiency of Potassa in blood this is a good remedy Dose, in Solution 10 to 15 grs - "Nitrous Powders - viz Nitre ʒi Tartar Emet. gr i Calomel grs iv to xvi - Nitre paper is made by saturating thin paper in Nitre and dry it, then burned in Room for asthma -

Acidum Citricum - made from all berries, lemons &c - In white crystals - ʒi of this acid to O ii water is a substitute for lemonade &c used in Fevers - In acute Rheumatism - Used some times in Chronic cases with stone in joints - (Herpes (itching of Genitals). Borax ʒi Morphia grs vi - Rose water ℥viij - "In Gastritis, lemonade used freely" - January 13th

Tartaric acid. comes in white Crystals - Incompatibles with salifiable bases and carbonates - &c "Rochelle Salts ʒii Bi-Carbo: Soda ℈ii white paper. Tartaric acid 35 grs. Seidlitz Powder" Acetic Acid - Vinegar - Pyroligneous acid - Diluted acetic acid (1 part acid 7 of water) - "Nervous Sedatives" - Reduce nervous power - "Digitalis Purpurea" Fox Glove. grows in Europe - Leaves only are officinal Dose 4-5 drops tincture - If 2 vagus nerves are divided it does not act upon the heart - used where blood letting is contraindicated, as in Anemia diseased of Heart & arteries - In Delirium Tremens it has been used in ʒss - In Spermatorrhoea &c if nausea & vomiting come on suspend the use of it - Infusion is made by saturating ʒii to O of water and adding Cinnamon. ʒss - Powder 1 gr - "Tobacco" Nicotia is absorbed which is its active principle - Death takes place, beginning at heart and not in Brain as by nervous Stimulants, Has been used as Emetic, Anodyne, in Strangulation, Hernia &c Colic - Ileus, Spasms &c - Infusion is made by putting Tobacco ʒi to O water used as enema. Nicotia has been given in Tetanus, Empyreumatic oil has been employed &c - Narcotine, in crystals.

Expect in Acute Coughs -
℞ Pulv Licorice.
Gum arabic āā ʒii -
Paragoric ℥ss:
Vin antimony ℥ss.
Water ℥viij -
Table spoonf every 4 hours -

Same -
℞ Tartar Emet: gr i
Barley water O i
Nitrate Potass ʒi
Sugar ℥iii
Dose Tablespoonful once in every 3 or four hours -

Chronic Cough - *
℞ Gum ammoniac ʒiii
Syrup Squills ℥ss -
Laudanum ʒi.
Water ℥vj -
Dose Table spoonful every 3 or 4 hours

Lobelia Inflata - or Indian Tobacco - - Is of greenish color - Lobelina is its active property -

Animal Charcoal purifies all the alkaloids - Antid. Tannic acid -

71 acts as an Emetic, when chewed produces acrimony in mouth— one ʒ of the dryed herb is poisonous dose — Therapeutical applic. Asthma, ʒ doses of Tincture until spasm is relieved, In Dyspnoea — Pertussis, used with Squills — dose powder x grs — Tinctura Lobelia, ℥iv to O water, ʒi dose for nausea, ℥ss for Emet—

Aconite — Monks-Hood — "Wolf Bane" — "Aconitum Napellus" —
Leaves — Produces tingling and benumbing sensation —
Root — Brownish outside, white inside, acrimony taste — Aconitia is active principle — Effects on System first on nervous then on Circulatory — Reduces the pulse 15 strokes to minute — 2ª poisonous reduces, numbness in fingers — pain in Stomach &c — Treatment for its poisonous effects are Emetic then give opium, and Stimulants to support the system — Is an anodyne — In acute Rheumatism its acts very well — Administration — Dose powder 1 or 2 grs Extract (alcoholic) ½ gr — Tinctura Aconite — (Radix) Dose 5 drops As an external applic. Rx Tinct aconite ʒij Chloroform —

24 3/60/20

Veratrum viride — American Hellebore —
Alkaloid — Veratria, Local action, produces Redness — Application — never be employed in Gastric inflam. Used almost exclusively as substitute for lancet. If it produces vomiting, in Pneumonia, stop it, Commence with 3 and increase to 8 drops — If produces vomiting give morphia — Administration, in Substance Tinct or Extract — powder 2 grs Extract ¼ gr — Saturated Tinc is made by taking ℥viij Root Oi alcohol — (Norwood) 20 Veratria to ℥i lard for Neuralgia — Rheumatism and other inflam.

Sick Head ache with Dysp
Rx Ox-gall (inspissated) ʒii
Oleum Caryofili (cloves) 5 drops.
M. ft 24 pills — one or 2 3 times daily — Dr. Tinkey —

Rx Sim Tinct Colch — ℥i
Vin Antimony ℥i
Paregoric ℥i
M. Dose one teaspoonful 2 or 3 times daily —

Dentifrice —
Rx Pulv Carado
Gum Myrrh ʒi
Orris Root ʒ
Lima Bark . ℥ii

Coughs or Colds —
Rx Pulv Licorice ʒi
" Gum Arab ℥ss —
" Muriate Ammon: ʒi
Pulv Ipecac ℈i
Spts Nitre Dulc ℥ss
Paregoric ℥ss
Aqua (warm) ℥viij —
Take spoonful 3 times daily —

Nervous Sedatives Jany 17. 1868-

Cimicifuga - "Black Snake Root" - Diminishes night sweats & 2 improves coughs &c - It is an Expectorant. In Chorea its very good. Subtle & Sedative - Dose powder ℈i or ʒi - Tinct ʒi to ʒss -) Cerebral Sedatives, medicines which depress the cerebrum & spinal cord &c -

Hydrocyanic Acid - found in the [illegible] leaf - Colourless liquid - Used in vomiting it is one of the best & highest Remedies - In disease of Stomach - In Hooping Cough - after emetics & purgatives, it is the very best. Read Test in Dispensatorys - Dose 2 to six drops - in sweetened water, but a small dose had better be tryed at first -

Bitter Almonds - tree growing in Africa - "Cyanuret of Potassium - made by adding Ferrocyanurid of Potass: & Carbonate of Potass - In white lumps very small - "Any man to give 12 grs of this ought to be hung" It has been used for Sciatica in Ointment with happy effects - Dose 2 3 grs - Strong Solution may be used to take off specks on Cornea after using Nitrate of Silver - "Chloroform, Terchloride of Formile (is made from - made from Chloride of lime, & alcohol also - Its not inflamable - It has strong solvent properties - In one ʒ is given about 240 gtts more than any other liquid. Its action, 1st its irritant and 2ndly Sedative - In cases of poisoning by Chloroform, Post mortem exam the blood is fluid - Pulse is quickened but same time it flows - 1st Stage, Intoxication 2nd Anaesthesia, 3rd Sleep or coma -

Fatal dose ʒi - ʒii has proved Fatal - Appearance after death in inhalation venous congestion. Treat, Give purgatives, Spts Ammonia - Throw water on the patient, open the eyelids, pull the tongue out if you have to do so with the tenaculum keep it from strangulating the patient - In general debility, disease of Brain - Heart &c it is contraindicated. Use in Strangulated Hernia, In Constipation always enquire if there is Hernia -

Better than ether because it takes a less quantity and the ether is inflamable - be careful - In Convulsions during labor apply cold water to Head, Hot bricks to feet, & chloroform inhaled - and mustard plaster over Heart - Used Locally apply and use oil silk to keep it from evaporating - Test - If impure it turns water milky -

Hemlock - Conia - Its sedative to the brain - Narcotic
Administration - Dose Powder 3-4 grs - Extract, fluid, 2, 3 gtts
Ointment, Tinc, dose ʒss to ʒi -) For Consumption -
m, and add Liqu' Ammon Acet, & Extract: Conii
ʒi Rain water ℥ivß - Vini Ipecac ʒi " Antimon aa ℈ii
Syr. Rhoeas ʒii - Tablespoonful 3 times, Gum Acac - ʒi

[illegible] Spasm Cardiac

"Purpura Hemorrhagica"

73 Jany 22nd Alteratives - Mercury + its Preparations

Medicines without essentially elevating or depressing the vital actions, act upon the system - may change the blood, chemically or other wise, The Alkalies diminishes the solubility of the fibrin of Blood - Iodide Potass is given in Lead collic from its producing as [illegible] a soluble compound -

Argentum vivum, Hydrargyrum - Mercury - Mines of Cinnabar, are found in Spain, California, Imported in flasks containing 76 lbs - Silver white colour - Sp. Gr. 13.5 Equiv: 202 - Freezes at 39° below 0 - Jany 24th - Its an antiphlogistic remedy - In itis its use is indispensable. Blue Mass - Rub up metallic Merc with conserve of Roses and "liquorice or licorice" - Hydrar cum creta or Mercury + chalk - Unguentum Hydrargyri - equal parts of lard and Mercury - (Ceratum Hydrar, Comp. / Plaster of mercury or Resin and Mercury - Hydrar. Oxydum Nigrum - Black wash - Calomel ʒi to Oj lime water - " " Rubrum - The ointment is made by using ℈i to ʒi - Yellow Wash - Corrosive ~~water~~ Sublimate 2 grs - lime water ʒi - "Protochloride Mercury Hydrar: Chloridum mitis - or Calomel" Incompatibles, The alkalines and their Carbonates, Nitro-muriatic acid - Bitter almonds Prunus virginiana - Iodide Potassium and Chlorate of Potash are incompatibles Leptandrium is a substitute for Calomel, There is not a better Chologogue known than a combination of Leptandrin + Podophylum -

Black oxide Mercury - Is a precipitate thrown down from Calomel by Potassa
Red oxide Mercury
Red Precipitate -
Red Sulph: Mercury -
AEthiops mineral -
Black Sulph: Mercury
Cinnabar

Sarsaparilla - Honduras is only kind that is used - Chlorinated Lime or Chloride lime some times called - Guaiacum wood - "Guaiaci lignum" Tree is Guaiacum officianale - from South America - Resin is made from boiling chips - Given in Hay asthma - Its dose ʒi - Mezerium - but little used - Sassafras - Stimulant + Sudorific - Emetics - Infacial is excited in tickling throat with feather - Ipecacuanha from Root of Cephaelis Ipecacuanha - South "America" Root has Ringed active principal Emetia - Dose x - xv grs to hasten its Emetic effect - Give it in glass warm water -

as an expectorant ½–ij grs as diaphoretic 4–viij grs as an alterative ½ gr – The Wine ʒi contains 2 grs Ipecac –

Blood Root – "Sanguinaria Canadensis" – active principal Sanguinarine – Dose 1–5 grs – Mustard –

Squills "Scillae Radix" – Dose 5 + x grs –

Jany 31 – Emetics

Antimonii Potassa Tartras – Emetic – 2 grs Tartar Emetic Morphia ½ Flax seed tea Oi – one little during day – For Colds &c –

Sulphate Zinc White Vitriol – ʒi to Ounce water one Teaspoonful every half hour or oftener for Pseudo membr. Croup –

Sulphate Copper – Dose for child one year 1 gr and so increasing upwards –

Yellow Sulphat Mercury – or Turbith mineral – not much used –

Cathartics –

Manna "Ornus Europhia" "Phlegmanced" – "Cassia fistula –

Magnesia – Both kinds Dose same –

Feb 3rd

Castor oil – Oleum Ricini Test, Its soluble in alcohol – Castor oil leaves pounded and applyed to breast will promote Lactation

Rhubarb, Turkish, China – the latter in large pieces has always a hole in it for passing a string – The Turky is not much used in this country – Oxalate of lime gives it a rough feel under the finger & when chewed – Compound pulv Rhubarb – made from Rhubarb Magnesia + ginger – for children – Tinc – ʒiii to Oii – Alcoh

Syrup of Rhubarb Dose ʒi – Aloes – Inspissated juice – Cape aloes is 1st. 2nd Socotrine – Barbadoes – Dose 20 grs – +

R Calomel 18 grs –
Pulv Ipecac 12 "
Soc aloes 12 "
M. Ft. 12 pills –
One at bed time
Dr Clagett very good – as purgative acts mildly

Senna, (S. Alexandria) grows in Asia + Africa best used – we also have the Tripoli + India + Mecca – Produces watery stools – Comp Infus of Senna is Senna, manna, + Epsom Salts –

Jalap – (Exogonium Purga) Dark brown color – Produces Hydragogue effects Combined with Calomel – 10 gr of latter with 20 of former – Nearly all ofc Juices are given in ʒi dose – Podophyllum peltatum – May Apple Substitute for Calomel

R Podophyllin gr vi
Leptandrin " xij
Ext Henbane " 18
M. Ft. xij Pills –
One at night –

R Salts ʒi
Magnesia ʒi
Vin Colchy: 20 gtts
all at dose

Magnesia Sulphas. found in caves – Its made also from magnesite, here + Philadelphia –

W. B. C.   Medicin Ga

75 Sulphate Potassa obtained from Nitric Acid & Sulph Soda from Muriatic acid — Feb 5th

Potassae Bi-Tartras — Cream of Tartar — Dose ʒii to Oi water, Drink through the day; Some times given with Sulphur ʒiss in water with little Lemon juice given in Fevers —

Potassae et Sodae Tartras, Rochelle Salts Dose Teaspoonful dissolved

Seidlitz Powder, Rochelle Salt ʒii Bicarb Soda ℈ii add a little Sugar, that's in Blue paper — & 35 grs Tartaric acid in White;

Liquor Citrate Magnesia, ℥xij given in doses —

Test now for urine is Chloroform —

Calomel is very mild purgative, best way of giving is to put it on the tongue and they cannot throw it up. Dose 5–20. child 4 gr. for one 1 year old 1 gr. — Scammony — generally given in Emulsion gum arab, sugar, water &c —

Colocynth — Bitter Cucumber — about size of an orange its pealed and the inner part used —

Hellebore Black — Gamboge is yellow — hydragogue cathartic Dose 2 to 6 grs — Combined some times with Calomel in dropsy but is not used much a patient is more susceptible to salivation ~~than~~ in that disease than in any other — Elaterium comes in thin cakes, called "Squirting Cucumber" — Dose "Clutterbuck's" 1/8 gr, when given in Pill make with Ext: Gentian — Oleum Tiglii, obtained from croton Tiglii a tree, made from kernal of Seed.

Turpentine Enema, gum arab white of egg &c make Emulsion —

With Love
from
Mr. & Mrs. E. L. Hill

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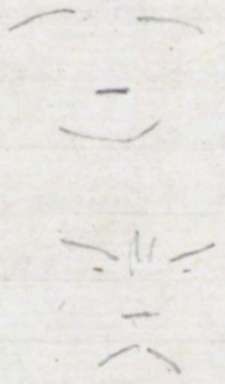

# "Notes on Obstetrics -

Prof: Byrd.

Diameters of the Pelvis

| | | |
|---|---|---|
| Upper Strait | Trans? | 4½ to 5½ |
| | Antero-Post - | 4 - |
| | oblique - | 5 - |
| Lower Strait | Trans? | 4 |
| | Antero-Post - | 4½ to 5 - |
| | oblique | 4 3/4 |

Diameters of the Foetal head -

| | |
|---|---|
| occipito-mentae | 5 - ½ |
| " Frontae | 4½ |
| Bi-Pareitae | 3¼ to 4 |
| Temporal | 3 to 3½ |
| Perpendicular | 4 to 4½ |

A Pelvimeter is an instrument for measuring the Pelvis -

There are 4 great offices of the female organs of Generation, Menstruation, Gestation, Parturition, & Conception - Articulations of the Pelvis, 5 in number, 1 in front for Os Pub; 2 behind for Illii & Sacra, that of Sacrum & cocyx, and the latter with the spine - Tuberosity of one side to super post spin process of Ilium about 6 inches - From one trochanter to the " " " " 6 "

Deformities, flattening from before backwards or laterally, diminishing the antero-post & transverse diameters. a nearness of the tuberosities of the Ischium is another deformity - Mollities ossium, sometimes produces deformities - Female genital organs (external) mons veneris, Labia majora & minora - clitoris. The Hymen sometimes remains after intercourse - forchette is the entrance into the vagina

To introduce the female catheter insert the index finger of the left hand into the vagina and then pass the catheter along the upper part of the finger until it reaches the urethra -

The mucous in the uterus, after conception, blocks the entrance into that organ - muscular coat (or middle) of the uterus is composed of non striated fibres - Spermatic arteries & Superior Uterine arteries furnish the Uterus - The nerves are of the spinal & sympathetic - Fallopian tubes are about 4 inches long - an obliteration of them entails sterility. The ovaries may not have any graaffian follicles in them - Nov 9. Regular quantity of menstrual fluid is about ℥iv - Nov 12th 1867 - The cause of the menstrual flow is an evolution of the graaffian vesicle - amenorrhoea - dismenorrhoea - & menorrhagia are the morbid characters - Treat: for the 1st Electricity, Iron, Strichnia, & Iodine are the most important - Leucorrhoea, Treat: Carb: Iron - Stimulants &c. Dismenorrhoea Treat: Hip baths, pediluvia, &c - it more usually occurs at about 30 years of age - causes cold, mental emotion, irritable uterus &c - Treat opium, Valerian, Hypodermic Injection daily use of Tepid water by injection - Sol: Gauacum Teaspoonful 3 times daily -

Tinct: Gauacum ʒiv
Carb: Soda ℥iss
Allspice ʒss -
Vol: Sps: Ammonia ʒi - put into a pint of proof spirits

Conception hardly ever takes place during this dis- if so, abortion may occur -

Nov 14th — Prof: Harry L. Byrd. — 1867-

81 Menorrhagia - Treat acet. Lead. Laudanum, Ergot - Indian Hemp - Inject of cold water - Blisters.) Generation - Chorian 1st membrane the 2nd called amnion. Nov 27 - The small intestines are raised upwards & are pressed upon by the uterus during pregnancy - Decem 4th 1867 -

Cystine is formed in urine of pregnant women. Twin Pregnancy, the abdomen is flattened in front, oedema of lower extremities, the only good sign is the beating of the 2 hearts - Decidua vera lines the Uterus, the Decidua Reflex surrounds the ovum - The Corian is the outer covering of the ovum, the same as the skin on an egg - the umbilical cord is attached to it. The umbilical vesicle is formed between the Corian & amnion - Decem 10. Corian, and Placenta is situated at different points, generally on the right - There is no direct communication between mother & child during uterine life. "Dr Hunter" - Some of the tufts of the Placenta enter the sinuses of the uterus says Dr ___ Congestion of the placenta frequently produces abortion - The Placenta is subject to Fatty degenerations - The cord is enclosed by the chorian internally & the amnion externally - Length of the cord 18 inches - winding around the neck (viz. the cord) is owing to the Fœtus, excess in liquor amnii, and smallness of the child - Liquor Amnii. The amount of the fluid is about 1/2 pint, it is a secretion from the Amnion. Embryo - Alantoid & Urachus - The lower part of the spinal column becomes shorter about the 2nd month - The contents of the skull are gelatinous until the 2nd month - The cord gubernaculum testis pulls the Epididymis down through the internal ring carrying the peritoneum which forms the Tunica vaginalis. December 17th Seasons more conducive to births, largest number in winter, smaller in summer & fall - Physiology of Foetal life, digestion does not take place during foetal life but the meconium is a secretion from the intestines - Foetal circulation peculiarities, Foramen ovale, ductus venosus, which opens into hepatic vein then to vena cava - after passing through heart there passes by ductus arteriosus to aorta - Sterility, functional & organic - see Dr Mott's case of absence of Vagina -

"December 19th 1867" Spurious Pregnancy, Diagnosis administer chloroform & the abdomen will go down & return again when the effects of chloroform wears off - It is supposed by Dr Simpson that the diaphragm pushes the intestines down in the abdomen - Treatment - allay the irritation of Uterus & ovaries by 20 grains of Bromide of Potass. Dr Sympson say ℞ Bromide Potass gr vi Iodide Potass gr vi - Bowels should be kept free by mild purgatives &c -

# Haematology. A Thesis.

We can well imagine that there was but little known in regard to the history of the Blood by the ancients until about the 16th century. It was ~~of~~ erroneously supposed by them that the blood vessels transmitted the vital spirits. But by proper investigations by ~~through~~ Galen, Harvey, and others, we are at present ~~able~~ enabled to form correct and proper ideas of its Anatomical ~~and~~ Physiological and chemical constituents. Much honor is due to William Harvey for the discovery of the Circulation, which did not occur ~~was not~~ until the year of 1619. And much light has also been thrown upon the subject by those who have devoted much of their ~~much~~ time and attention to microscopical observations, and by that ~~light~~ (we may almost say that alone), has the science of Histology ~~Chemistry~~ been raised from its infancy and reared to the side of the many other branches which hold such conspicuous places in our noble profession "The art of Healing)."

The human body is composed of solids & fluids each having its own functions to perform. It's supposed that the amount of Blood in the body in its normal state, amounts to about 1/5 the whole weight of. It varies in color in regard to the different parts of the body it occupies, that which passes through the arterial system is of a brilliant scarlet color, and that which circulates through the veins, a dark purple. It's alkaline in reaction, and its Sp. Gr. 1055. Now to know that the blood occupies every part of the economy we must enquire into the mode in which it finds its way through the solids. It was supposed by the ancients that the soft parts were channeled out for its reception.

But we find in the first place a

muscular
85 viscus, "The Heart" occupying a position in the
thorax just between the lungs, in the anterior mediastinum behind and a little
to the left of the Sternum, it is conical in shape
and its base looking upwards and apex downwards,
it is this that is the center of the circulation;
There is then what is termed an arteries "the aorta"
springing from the base of the Heart, arching over to the left of median line which ramifies
and distributes its branches to the viscera and other
portions of the body, they are cylindrical tubes, com-
posed of three coats External or areola, middle or mus-
cula, Internal or Epithelial – at their terminus, we
bring to bear upon them the microscope and ~~we~~
distinguish what is termed the capillary system,
nothing more than the continuation of the arteries
and the commencement as it were, of the veins,
or venous system which the latter needs no description, being
very much like the arteries, with the exception of
the valves in ~~on~~ the latter ~~the~~ former which assist the blood
in its course back to the heart, not ~~ha~~ receiving mu
influence from its force – they converge to fo
the ascending & decending "vena cava", which emp
into the right auricle. This is what we term the
systemic circulation, Then again we have a small
or called the pulmonary, the artery commencing
from the right ventricle, carrying venous blood, ra
ifies throughout the lung, & becomes arterialized in
the capillaries, and is returned through the pulmon
veins to the left auricle – We are now better
prepared to enter in detail ~~outs~~ upon the more important parts of
the subject in question – I will now consider
how it is that the system is kept up with a
regular supply; it is well known that the blo
supplies the body with its nutriment, but wh
does it come from? we are all well ~~known~~ aware
fact that when a meal is prepared and ma
by the usual sign, al ~~that~~ we need no persuasi
nor entreaties to repair immediately to the eat

when we irresistably and instinctly we masticate + swallow what becomes in its proper time the blood. The food passes from the stomach when it has undergone chymification + is chyme into the intestines, where it becomes chyle, and after having undergone the proper Chemical changes from the admixture of Gastric, Biliary, Pancreatic juices &c incorporated at the same time with the minor secretions, and also by the machanical actions assistance, is submitted to a solvent action and is then ready to be absorbed by the lactials, carried to the receptaculum chili, from thence up the Thoracic duct and empties into the junction of the Internal Jugular and left Subclavian veins. We now enter into the constituents proper (both Chemical + anatomical, of the Blood. But we cannot pass by in giving ~~our~~ my views + ideas upon the subject, with out briefly alluding to the honor + credit due Carpenter, Dalton, Kirke and others for their valuable writings. They concur pretty generally, I believe, in regard to the different elements, though differing some what in the nomenclature of some few. Were we to view the Blood in its normal state + with the naked eye, (being entirely ignorant of its elementary parts) would most naturally conclude that it was a homogeneous fluid. But by analysis we see, it, like the other parts of the economy body — with many parts — "In the first place we have the Plasma which is a transparent + alkaline fluid containing water, fibrin, Albumin, ~~Salts~~ Chlorides Carbonates Phosphates &c ~~&c~~ in a state of solution, 2ndly of cells, Corpuscles or blood-globules mingling freely ~~with~~ in the Plasma — which give to the blood its opaque appearance, and a uniform Redness — Red-globules are circular + smooth, transverse diameter varies from 1/3000 to 1/4000 See next p. of an inch, its form resembles some what that of a biscuit the thickness of the globule being from 1/15000 to 1/8000. They are some times called "Blood Discs" "Blood Corpuscles" &c — But I employ "Globule" — The "Red corpuscle" is almost exclusively found in the vertebrated animal. They average in amount says Dr. Carpenter "about ~~from~~ 132 in 1000 parts of blood for a Male". But their

87 varies greatly in a Pathological point of view, for instance they may augment to such a degree as to produce that condition termed Plethora, predisposing the system to many diseases, viz congestions, Hemorrhages &c – The quantity rapidly diminishes under bleeding, purgation, the Antiphlogistic Regimen and soon – When there is ~~an excess~~ a diminution of Red Corp^cle we then have what is called Anaemia, "In cases of Chlorosis the number has fallen as much as 27 in 1000"

I have neglected to say, The products may be collected in various ways, but the one most convenient is by stirring fresh blood with a bunch of twigs or a stick we get the fibrin which sticks to the twigs by then running the Plasma or Serum through a sieve or filter, we have remaining the corpuscles – though this can only be done with the blood of the lower Animals on account of the larger size of their Corpuscles – By evaporating and calcining the residium we estimate the quantity of Saline + Solid matters – In birds Reptiles + fishes, the Red Corpus contains within its cell a granular nucleous, but in the higher grade, or warm blooded class there are none – it derives its colour from Hæmatine an organic substance containing iron, We next consider the white Corpuscles, "which are in proportion 1 to 2 or 3 hundred Red" They also differ in regard to their size Color + Shape, Globular in form, Colorless, and instead of being homogeneous their substance is filled with dark molecules which give them a granular appearance, in size 1/2500 of an inch –

They are some time in excess and again are deficient in the system – We next come to one of the most important Elements of the blood, a Protein-Compound "Fibrine" a purely vital fluid, manifesting a decided tendency to assume the organized form – Healthy blood we have 2 or 3 parts in 1000 It is formed from Albumen and is found in the chyle slowly passes along the lacteals to the blood vessels – it's also found in the Lymphatics – It may be [illegible] in solution or it may exist in an insoluble form –

(Heat of blood)

But its most important function being to nourish the whole body. its generally in a soluble state though should there be a cause for a separation in any of the organized tissues, it soon assumes the insoluble form, the coagulable or organizable lymph

We may readily procure it for chemical examination by (as I have said before) whipping ~~the~~ fresh blood with a bundle of twiggs which causes it to adhere in the shape of white elastic filaments —

From the fact that the fibrine in animal food is converted into Albumin during digestion shows that there is a close chemical relation, the most obvious difference is, the former will coagulate spontaneously when removed from the body) — This is the Clot formed from particles of Fibrin collecting together. we have spoken of what elements composed the blood when in a soluble state. Now after having coagulated it has only two, Fibrine and Corpuscles. It commences to coagulate but depends upon orifice temperature &c about 15 minutes after being drawn and finishes in 20 minutes. In the course of 11 or 12 hours the ~~Clot~~ serum has separated entirely from the clot — There is ~~an~~ inverse relation between the rapidity of coagulation & the firmness of Clot —

In cases of lingering & exhausting illness as in Typhoid Fever &c the blood coagulates rapidly & the Clot is soft —

§ We now come to notice the Buffy coat and the cupped condition of the blood — Some Pathologists affirm that it is the Inflammation which produces the Buffed state of the blood others deny it saying that it is often formed in the ~~that~~ state of Pregnancy &c — Carpenter denies it, & says "It may be produced by any cause, which occasions delay in the coagulation of the blood" — The Red Corp^s having a peculiar strong attraction for each other coalesce and being the same way with the Fibrine and leave the serum, to enclose ~~the clot by the law of Gravity to sink to the~~ bottom — By drawing blood into a wide mouthed vessel by the contraction of the Fibrine we have what is termed a cupped state of the blood as Kirke says, "is indicative of Inflammation" — Cup being concave on its upper surface and convex on its lower

We often see persons spoken of, as being of a sanguine temperament or Phlegmatic — In the former there is an excess

89 or a greater amount of Fibrin as well as Red Corpt. whilst in the latter they are in a much smaller quantity ~~in~~ proportion to the other elements of the Blood –

7 Test – Albumen consistently with Health, ~~contains about~~ there is about 60 or 70 parts to 1000 of blood – As we have the white of Egg as an illustration of its appearance & a we will not dwell any longer on a description – The only disease in which we generally find it in excess is "Albuminuria" –

Next we have Saline and Fatty matters the former tending to prevent decomposition of the tissues while the latter nourishes the cells from the start – Though these parts change in Disease – } there are other constituents as Lime, Magnesia, Soda, Potass, &c –

To speak of it as a whole its temperature varies greatly in regard to the situation, though its mean temperature I will put at 98° –

It is the source of all the secretions of the 7 body – During Respiration it imbibes oxygen from the atmosphere & after supplying the different tissues it then returns to the lungs loaded with Carbonic Acid which it eliminates. It distributes it's nutritive principles to every texture – We could not perform a correct diagnosis of many of the diseases which daily spring up before ~~our~~ eyes of ~~the Physician~~, were it not for knowing the peculiar changes to which it is susceptable – It's not necessary that we should behold the fluid it-self en masse in every case, for instance we have Anaemia & Plethora, showing there is an excess of red corp in the one & a defect in the other –

By it we have the external manifestations of an internal malady, for instance, in Beauty which [illegible] the maiden at [illegible] to be so fresh, [illegible] the Ruddy cheeks & Sunny [illegible] the morning breeze which gently wafts, by her [illegible] with the sweet perfumes of a rural Cottage, mingling its contents with her bland smiles & each emotion of the soul as it were casting a ray of light

Rock Bridge, Strumous -

Red Sweet & Rawley are tonic

Hot Springs - Skin diseases - chronic -

White Sulphur - Syphilis - Hepatitis &c -

## Medical Jurisprudence Nov. 14th 1869-

Sulphuric acid "symptoms of poisoning", mucous membrane of mouth is white softened & corroded- Test of the diluted acid- Barium in some form- Nitric acid- yellowish colours are formed- The vapour produced by a mixture of Sulph: & Nitr: acids are of the most noxious & irritating kind- December 10- Toxicology- Corrosive poisons effect the system immediately- Irritants effect it slowly- as a general thing- as arsenic &c.

A corrosive poison if diluted, becomes an irritant- Neurotic or Nervous poisons- Cerebral poisons do not inflame the viscera below as as general thing. Symptoms of poisoning during life- In degeneration of Kidneys, mercury will salivate more easily- December 12. Diseases that resemble poisoning. Cholera. Enteritis, gastritis, Hernia- Peritonitis &c.

In poisoning there is some constriction in the throat, accompanied with vomiting &c Attacks of Cholera morbus is caused from some irregularity in diet and comes on in the summer (generally)- In all the irritant poisons, Arsenic comes nearest to Cholera in its symptoms. As a general rule there is purging and vomiting and pain over the abdomen in poisoning by irritant poisons- where in Enteritis the pain is generally over the intestines- Colic resemble poisoning by lead- In Colica pictonum there is a blue line around the gums- Apoplexy is preceded by symptoms, and does not generally attact persons under 30 years of age- Coma takes place immediately, whereas from poisoning some time elapses before insensibility shows itself- Prussic acid alone resembles an attack of Epilepsy- Tetanus arises from wounds, cold &c Traumatic & idiopathic, acute & chronic- trismus, opisthotonos, emprosthotonos, & Pleurosthotonos. In tetanus from poisoning is characterised by clonic spasms (or intermitting) In Tetanus from disease the jaws stiffen &c death never takes place under 24 hours, but by strichnia causes death &c in 2 or 3 hours.

Irritant poisons. Non-metallic, metaloids, & metallic- Nitric, muriatic acids &c- Symptoms, surface of tongue white mouth corroded, vomit coffee-ground color- Brown spots about the lips neck &c- The evacuations of poisoning are tinged with blood those of cholera morbus by bile- If an acid drops upon marble it will produce effervesence

December 24th, Potash & soda- Poisonous effects, Burning heat extending down with Stomach- pulse quick & feeble, body clammy cold &c. Carb: Potass- or "Pearl ash"- is given sometimes through mistake for aperient salts- The use of Bicarb: Soda should not be persisted in- Treat- acetic or Citric acids in water, diluent drinks, albumen, Milk &c. oil &c

"Old Punctuality" – speaks for itself

Billy Conway

Prof: Moorman M.D.

Ammonia produces symptoms similar to Potash, but there is more pain. The vapor is poisonous also Spirits Hartshorn – Nitra: Potash (Saltpetre) is poisonous if taken in large doses ʒj or ℥ij – no known Antidote – Its supposed to produce abortion – but its dangerous.

January 7th 1868.

Arsenic has a rough or saltish taste. White arsenic (Arsenous Ac Yellow arsenic (Orpiment) Of former Teaspoonful weighs about 150 grs. Table spoonful 600 grs. Pinch 17 grs – Boiling water dissolves about 1/4 grs to ℥j. Symptoms come on in about 1/2 a one hour – Arsenic is some times mixed with soot &c to disguise it – Pain is increased by pressure – Pulse small and very frequent. Skin hot & cold alternately – Resembles a case of Cholera Morbus very much – The violent burning pain is some times absent –

Inflammation of Conjunctiva & Suffusion of Eye lids &c are symptoms – It is not an accumulating poison But is rapidly eliminated by the Kidneys – The period at which Ulceration takes place is about from 6 to 8 hours – Fatal Dose 3 to 4 grs in powder – Treatment – If vomiting does not occur, give Teaspoonful of mustard – Equal parts oil and lime – Stomach Pump – Best give Sesqui-oxide of Iron.

# Notes on Materia Medicine and Therapeutics

Turpentine transmits a violet odor to the urine — Medicines effect the system through absorption and through nervous influence — Castor oil has two effects upon the system, the primary is that of purgation, the secondary that of drawing the blood from the head and thereby relieving congestion &c, of that organ — Physiological & Therapeutical effects of medicines are the same as the primary & secondary effects — Be very careful in blistering a child — A child $\frac{2}{2+12}$ $\frac{1}{7}$ — 3 years of age $\frac{3}{3+12}$ $\frac{1}{5}$ — Iodine and Mercury should be carefully given in Pregnancy — 24 years is the age when full doses can be given — a child when first born its pulse is 130. one year old 120. 2 yrs. 110 3 yrs. 90 — adult age 70 — Calomel acts more energetically in warm weather than in cold — Therapeutical action of medicines 1st Depletion 2nd Repletion — 3rd dilution, 4th elimination — 5th Stimulation — 6th Sedation or depression 7 Revulsion — 8 Superaction — 9 chemical influence — 10 Machanical Influence — Be very carefull in using large injections — Electuaries are made from powders and Honey being mixed — Boluses are large and soft pills — 2 forms of Extracts, liquid and solids — Decoctions are medicines made in boiling water — Arcus senilis fatty degeneration formed in the coating of the cornea, forming a greyish arch — Port wine has tannic acid in it — The stomach is 3 times more active to medicine than the rectum —

Systemic Remedies —

- General Remd.
  - General Stimulants —
    - Permanant Stimd. —
      - astringent
      - Tonics —
    - Diffusible Stimd.
      - arterial
      - cerebro spinal
        - nerv. St —
        - cerb. "
        - Spinal St —
  - Genl. Sedatives
    - arterial
    - cerebro nervous
      - nervous
      - cerebral —
  - Alteratives
- Local Remd. —
  - affecting functions — — — — — —
    - Emetics —
    - Cathartics —
    - Diuretics
    - Diaphoretics —
    - Expectorants
    - cholagogues
    - Emenagogues
    - Uterine
    - Sialogogues
    - Errhines —
  - " Organization —
    - Epispastics —
    - Rubefacients —
    - Escharotics —
  - " Mechanically
    - Demulcents
    - Emollients
    - Diluents
    - Protectives —
- Substances which act upon foreign bodies in the system
  - antacids
  - absorbents —
  - solvents —
  - anthelmintics

Those astringents applied to the external part of the body to stop hemorrage are called Styptics —

Astringents — Dose of Pulv gall grs x from v to — Ungt. gallae 1 ℥ galls 7 ℥ lard

The incompatibles with Galls — Sulphuric and Muriatic acids gelatin & Anno — Kino — The galls — (Uva Ursi or Bearberry)

" Antidote for Lead — " Sulphate of Soda or Magnesia — Tonics (animal) Cod Liver oil —

One grain of Sulph Quinia is equal to a drachm of the Bark —

"Gymps Quercus Folii" (Astringants) Galls from "Asia Minor"

103 Chronic Diarrhoea - ℞ Galla Infus 12℥. Creta Prep ʒij Tinct opium gtts 40. S. Tablespoonful 3 times per diem - 2 kinds of galls blue & white the former the best = Tannin universaly formes a black precipitate with the persalts of Iron - Kino contains more tannic acid than any other vegitable astringent, Solution of tannic acid turns litmus red - Dose 2 to 3 grs three or four times per diem - Ungt. 2ʒ to 1℥ lard -

For Bronchoorrhoea,
℞ acid Tannic grs 30
" Dilut Nitric, f ʒi
Tinc Lupuli " ʒiv
Infus Gentian ℥viij -
M ft Sol
S. ʒj ter in die

Gargle for Sore throat
℞ Tannic acid ℈i
Spt. vin gal ℥i
Aqua camph ℥viij

Toothache -
Tannic acid ℈ss
Chloroform ʒi
Sulp Morph gr j -

Minerals act by absorp:- mucous Dryllinc & Secretion

Kino, Kinds East India, West India &c. Effects some what similar to galls - Employed in diarrhoea &c - and hemorrhages in Typhoid Fever - associated with opium - also used in flabby ulcers by sprinkling it over the part. Dose from 5 to 30 grs -

Tinct of Kino can not be kept well

Tinct Kino ʒiv
Cretta Prep ʒiv
Tinct Opii gtts 40
Water - Dose Tablespoonful

For Diarrhoea -

Mouth wash
Tinct Kino ℥ss
" Myrrh "
Es - Sassafras "

from Hindoostan -
Catechu - used in any cases that astringents are generally, Dose Tinct ʒi

Chalk mix for Diarrh - ℞
cretta prep ʒij
Carb. Potass ʒi
Tinct Opii ʒiv
" Catechu ʒij
Ess. Menthe Pip ℥ss -
aq Fontana Oij -
m. ft. Dose teaspoonful every 2 or 3 hours -

Logwood from Champeachy

Rhatany Peru used in Fissure of anus ℞ Rhatany - aqua -
Ext. Rhatany Dose from x to xx grs -

Geranium (cranesbill) maculatum -
Good for Cholera Infantum -
Dose Pulv radix x to xx grs -

℞ chlor: Lime ʒij
Decot: Rhatany ℥xij
m. Injection.
For Ozaena of nose

Blackberry root - & Dewb - In Decoct - root 1℥ to O i to 1 ss. water

Pipsissewa, tonic for scrofula, its also diuretic

Uva Ursi - Bearberry - for Cysterrhoe, Incontinence of Urine at night -

Mineral Astringents -

Alum - Incompatibles - with the alkalies and their carbonates, veg + astrn -

Pertussis or Whooping Cough -
Conjunctivial Inflam - last stages, use alum. -

℞ Pulv alum grs xxiv -
Ext Conii " xij
Syr Rhoeados ℥iij
aq Anethi (fennel) ℥iij
M. Teaspoonful every 3 hours -

Frequently given in Croup - Dyphtheria &c -
In relaxation of Uvula its given -

## Mineral Astringents — Hyperaemic Syringe

(catch question)
Plumbum Symptoms of poisoning by it, dryness of mouth, a blue and slate coloured state of gums – another symptom is palsy of the arms & causes wrist drop – Treat Emetics & purgatives, as Epsom salts, and injections per anum – Sulphuric acid or any thing with Sulph as it forms Sulph: Plumbi, also alum which in large doses produces purgation such as from ℥i to ℥ij – But Iodide of Potass is the best, which forms ~~lead~~ Lead that passes out of the system – Acetate of Lead mixed with water, forms a white Sol from the combination of Carbonic acid in the water and forms Carb: Plum. Incompat: of Act: Plum: the acids as Sulph. Muriat. &c – Its and astring. & Sed. Used in haemoptysis must be combined with opium ⅛ gr to grs ij of acetate Lead – used also in Cholera to check black vomit, & Typhoid Fever – It increases the coagulability of the blood therefore is given in aneurism – In the ulceration of the eye its objectionable, as it may be absorbed – For running of the ear use 5 or 6 grains –

Slippery Elm must not be used with Plum: act, but Sassafras can be –

Rectal Dysentery –
℞ Plum-acetas grs xij
Tinc Opium – gtt 40
aqua Oj
m. ft. Inject –

Ghonorrhoea
℞ Acet Plumbi grs xij
Zinc: Sulph: " xxiv –
Fl. Ext. opium. " vj
aq Rosae ℥ iv –
m. ft. Inject

[illegible]

meconate of morphia we have in Laudanum, so we have in using act of Lead with Laudanum, have meconate of Lead & acet of morphia –

℞ Liquor Plum subacet ℥ iv or Lead water –
Extract poppies ℥ ij
m – For Ulcers &c –

For Chronic Leucorrhoea –
℞ Plum: acet: grs xx –
Ext opium " xxiv –
Butter Cacao ℥i (Butter of coconut)
oleum olivae ℥ij –
M & Divide into 8 pessaries
Introduce one every night –

therefore absorbed – intestines & to men easily
White Lead adheres to the mucous coat of the
Iodide of Lead – 1 to 4 grs – Ungt 1 ʒ to 1 ℥ of Lard
Goulard's Cerate decomposes if kept long
(Iodide of Lead "Yellow color") For Bed sores – Brandy & alum

Lead plaster & Rosin forms adhesive plaster – Emplastrum Dyachylon –

In cases where the intestines are irritated, skin hot, fever &c Tonics must not be given, nor plethora – and over dose of Tonics generally irritates therefore does harm – For Epilepsy, arsenic, silver, and Zinc – In Congestive Intermittent give Quinine as soon as reaction takes place – "Oleum Marrhuae" – Test. Sulph: acid turns it first a violet color and then brown. Nitric acid gives us first a light purple & after turns it brown – Used in Lumbago – Scrofula – Phthisis Pulmon. Coxalgia – In most any disease of an impoverished state of the blood – Dose tablespoonful 3 times per diem – Never to be taken on an empty stomach at first, but an hour or two after a meal. Take it with port wine or Whisky. In Hectic cases give it with Prunus virginiana – | Bitters, Quassia excelsa and – nearly all Tinct are given in ʒi and ʒij doses – Columbo is given for vomiting in Pregnancy. Dose of Infusion ℥ij 3 times per diem – Peculiar Bitters, Dogwood or Cornus Florida – bitters & tonic –
Dose pulv ʒi to ii – Salix alba is used in medicine – substitute for Cinch

Cinchona is
1/3 weaker than
Quinia

(Tannate of Quinia) (Quinia, is same [illegible] in gangrene)
(What is the difference between [illegible])

105 Cinchona Bark – Carthagena Bark, or non-officinal – The officinal is pale, yellow, & red – "The alkaloids have also called Kinates –" In the pale bark Cinchona predominates – Loxa bark + Lima – ) Sulph Quinia is sedative in large doses and tonic in small – Quinia effects the nervous centres of the Brain – From poisoning by Opium, Symptoms, contracted pupil – slow breathing, Treatment – Keep the patient awake by mechanical means – cause emesis, purging &c – The active principles of Bark are Quinia & Cinchona combined with Kinic acid – Quinidia & Quinoidia – Before giving quinine, cathartics must be used – grs XII of Quinia is equal to ℥i of the Bark – It takes a less quantity of medicine used (hypodermically) – Salacine, principal [illegible] of willow, next best to quinia – Humulus, Hops – Lupulin is its virtue – [illegible] acts as a narcotic & laxative, as well as Hops – therefore must be given when Opium is contraindicated – The tincture of Lupulina is an excellent remedy – Prunus Virginiana Wild Cherry bark – Dose of Bark in Infusion made by ℥i of Bark to Oj water, is one glassful – It is tonic but from the Hydrocyanic acid in it is a sedative – Camomile flowers – Eupatorium Thoroughwort or Boneset – Infusion of wine glassful produces perspiration – Serpentaria (Va. Sk. root) the odour is camphorous – It is Diaphoretic, Stimulant, & tonic – Myrrh, from arabia and Africa – Tonic, Stim., Emmenagogue – Myrrh & Iron in amenorrhoea, chlorosis, &c – Griffiths antihectic mixture, myrrh – Carb Potass &c – Augustura Bark, Dose Inf ℥i to ℥ij – Cascarilla 11 to 30 grs – Centrary Bark. Worm wood – Tansy – Anthemis, emmenagogue properties &c – Aromatics or Spices – principal properties are the volatile oils – aromatic water is made by rubbing the oil with Magnesia & adding water – Cinnamomum, cinnamon, Ceylon is best – Chinese variety is called oil of Cassia – Test for pure aromatic oils put a small piece on white paper & if it leaves no stain O.K. Nutmeg – mace is the peritoneum of the Nutmeg – peppers Black – Cubebs – from East Indies – Dose x to xx grs – Tinct ℥i – Matico, the leaves Hemorrhage (excellent Remedy) Cardamom – Fennel Seed – Lavender – Rosemary – Peppermint for colic, flatulence &c, Gaultheria or partridge berry – Mineral Tonics – Sulph: acid – In Haselton Texas, there is a lake containing this acid & is much resorted to by patients – Sulph: acid is incompatible with acet Lead – Dilute Sulph: acid one of Sulph acid 13 of water – Com: Infus: of Roses has Sulph: acid in it – The Aromatic Sulph: acid (or Elixir Vitriol) – Test for Sulph: Morphia & Quinine – add nitric acid to the former which gives a Red colour & the latter it does not change – Nitrous acid – as Nitric acid cannot be given in a silver spoon – Diluted is made by adding six parts of water to 1 part acid – Muriatic acid is of a yellowish or amber colour – Dose v to xx drops in glass of water – Diluted one part acid 3 of water – Nitro-Muriatic acid acts on

[For Rheumatism ℞ Sulph Quinia gr 3
Opium 1/4 gr –
m. ft 2 or 3 times daily]

Oleum Cinnamomi

"Hope's Mixture"
℞ Nitrous acid ʒi
Tinct Opii 40 gtts -
Camphor water ℥ viij -

Gold better by adding a little Sulphuric acid — its colour is a golden yellow — Soda Water is formed by adding muriatic acid to marble (pulv) which forms Carbonic acid gas - Nitrate Silver - oxide Silver, Iodide Silver

"Cuprum", equivalent 32 - Antidote albumen or flour - Sugar &c CuO + $SO_3$ = Sulph: Copper - used as an Emetic in Croup &c - in conjunctivitis, with granulations on the lids, use the pure copper - Given as tonic 1/4 to 2 - as Emetic 2 to 10 grs also used in Epilepsy - Ammoniated Copper - used for ulcerations of the Eye - Zinc - Zn with copper it forms brass - Zinci Sulphas - as an Inject: 2 grs to ℥i water - with acet Lead and Gum arabic is given in Gleet - Gonorrhœa is used - Zinci acetas: inter: Dose 1 or 2 grs - Valerianate Zinc - Zinci Carbonas, soft white powder - used in chafed surfaces, oxide of Zinc, used for Epilepsy.

Chloride Zinc, should not be exposed to the light - as it deliquesces -

Subnitrate Bismuth, white Powder without taste or smell, & becomes grey on exposure to air - tonic & Antispasmodic, used in Cardialgia, Pyrosis &c - it blackens the Stools - Dose teaspoonful after dinner, especially in Dyspepsia Ferrum (Iron) - 28 equival. Iron combines with carbon & forms Steel - Iron & Bismuth produce black coloured Stools - Iron also blackens the tongue - Iron by Hydrogen (Ferri Pulvis) (or Quevenne's Iron -) Dose 3 to 5 grs. Ferri Ramenta Dose 10 to 15 grs - Black oxide Ferri, dose 5 to 20 grs. Hydrated Sesquioxide of Iron, Dissolve sulph: Iron in water and mix nitric acid, heat it &c - It is yellowish brown colour antidote for arsenious acid - it acts upon that which is dissolved & that that is dissolving - give it by tablespoonfuls, Subcarb: Iron, Yellow Brownish colour - used in Tic Douloureux - dose teaspoonful 3 times daily - Emplastrum Ferri by incorporating Subcarb: Iron with lead and is commonly called Strengthening Plaster - Carbonic acid gas is found in nearly all chalybeate waters because Iron cannot be dissolved without it - Sulph: Iron - its incompatibles, Ferricyanuret of Potassium alkalies &c its effects, astringent &c - used in atonic condition of bowels, in convalescence passive hemorrhages &c - before making pills deprive it of its water of crystallization - Monsells Solution of Sulph: Iron used as styptic, deep reddish brown colour -

For Debility & Paralysis
℞ Sulph Iron grs xij
Ext: nux vom ,, xii
Pulv aloes grs iv
m. Pills 12 one 3 times daily -

"Piles" (bleeding)
℞ Monsel's Salt, dried ʒss
Simp Cerate ℥i -
m and apply on going to bed

(Nerve Tonic)
℞ oxylate of Ferri 20 grs -
Pulv: Nux Vom 40 grs -
Sulph Quinia grs 20
m 20 charts 1. 3 times daily.

(Emmenagogue Pills -)
℞ Sulph Iron 24 grs -
Pulv Gum Myrrh 36 "
" Soc: Aloes: 12 grs
m - 12 pills one 3 times daily -

Epilepsy Chorea &c -
℞ Hydro: Cyan: Iron grs 18
Sulph Quinia " 12
Aq: Ext Opii " 1.
Alco: Ext: Valerian " 5
m. Ft. 18 pills one every 2 or 3 hours -

## Preparations of Iron

Nov 24 - [illegible]

107 Solution of Nitrate Iron, red colour, used for General debility of Stomach -
is greyish Powder -
Phosph: Iron, (Ferri phosphas) - Remedy in Cancer both int & Ext - Dose 5 to 7 grs -
Ferri et potassae tartras - black crystals "Vinum Ferri," chalybeate - Ferri et ammoniae
tartaras - blackish colour, may be given with the alkalies - Ferri citrates - with [illegible]
is a good tonic & antiintermittent - Sesqui chlo: Iron, brownish colour, muriated
Tinc Iron, astringent & tonic - used in Scarlet Fever by Dr Byrd. also used for
warts on penis from Syphilis - Syrup Iodi Iron - almost colourless, liable to turn
Ferri Ferrocyanuret -
with Green - Prussian Blue used in uterine hemorrhage first used in [illegible]
[illegible] - 5 to 20 grains - ammoniated Iron, yellow colour - crystals - Perchloride
Iron, chrome yellow - Acetate Iron, red colour - Nov 29th 1867 -
Arterial Stimulants - scarcely effect the nervous system - Capsicum
annum & we have the African or Guinea pepper - Dose of Tinct Capsicum v to x grains in
cold feet or use the dust in the socks - Carb Ammonia, gives off in [illegible]
turmeric paper becomes brown on exposure to it - is a Stimulant antispas-
modic, & powerful antacid - antidote: acetic acid &c - used especially
Typhoid Fever as it does not effect the brain, In old persons with
constipation give Carb Ammo grs x Pulv Rhubarb grs x - In third stage
of pneumonia in doses v or x grs - given as expectorant in Consumption
as an antidote is given in Sedative poisoning as tobacco, bite of Snake
[illegible] also in flatulence, Dose 2 3 up to 20 grs - best to give in solution
with Gum acacia & Sugar - Water of ammonia is used externally -
Spts ammonia made with alcohol Dose x to 30 drops Aromat: Spts ammonia
Dose ʒss to 2 drachms - Phosphorus made by decomposing the phosphate of
[illegible] bone, [illegible] soluble in alcohol & fixed oils - antidote give
Emetics, and give magnesia freely - given in sterility & impotence,
one grain a day - Oleum Terebinthinae, It imparts a violet odour to the se-
cretions - Is given in 2nd week of Typhoid Fever when the tongue becomes dry, again when
the cleaning of tongue commences by flakes give the oil - Dose 5 to 21 drops - December 2nd
Nervous Stimulants or "Antispasmodics" - operate on nerve centres - Spasms are produced
by too much or too little blood in the brain, worms &c. Castor - Brown or Blackish colour
to powder. Dose x to xx grs - Asafoetida, given for Globus hystericus &c. Hooping cough -
Pectoral diseases in Children, coldness of lips of [illegible] &c - Substitutes - Dose x to xx grs -
Valerian - (Valeriana officinalis) Root yellowish - sweetish taste - used in Hemicrania
30 to 40 grs - Infus. ℥ij - oleum Valerianae dose 4 to 6 gtts - Allium, Garlic dose ʒss -
Musk - (Moschus) 10 grs - Skunk Cabbage x to xx grs - Oleum Succini, amber
color - Pertussis & convulsions in Children - Narcotics, hypnotics & soporifics,
produce sleep - Opium, smyrna, constantinople or Turkish - derived from

(Digitalis can be given in ℥ss doses in delirium tremens)
( an ℥ of Laudanum can be given to a horse)

Morphia Sulphat. gr xvi
Aqua ℥i -
(used in Hypodermic Syringe

the papaver somniferum. In Hindoostan a large quantity is raised - component of opium. alkalies &c. Opium first stimulates, when a poisonous quantity is given - The primary effects are shown on the nerves of the stomach then on the brain - If the patient survives the effects of ^poison or^ opium 12 hours he will recover. Opium as a stimulant, must be given in small and repeated. as a nervous stimulant (large doses) - As an Arterial stimulant - moderate doses - It is given 1st to relieve pain, or for its anodyne effect 2nd in Spasms given in very large doses - 3rd by - given as a Soporific, or for producing sleep, 4th To check secretions - In acute Bronchitis, opium is contraindicated on account of checking secretion, Opium is given in Fevers, but not in the 1st Stage - It is often given in Senile Gangrene - It must be given cautiously in ^uncomplicated^ Delirium Tremens - In Colic, Cholera & Peritonitis, are good examples for giving opium - In after pains - Oleic [illegible] &c - In writing a prescription for pills of opium write Pulv: opii - as the opium would be given - the 1st are made with soap - Dovers Powder, Pulv Opii ʒi Ipecac ʒi + Sulph Potass ʒviij - Tinc opium is made by macerating of opium in rectified spirit - strained - Opium, Benzoic acid, oil anise āā ʒi Camphor &c - Vinum opii - ^Sydenham's^ mixture or Laudanum dose 20 drops. Black drop opium, Acetic acid, &c dose 7 to 10 drops - The [illegible] opium, or McMunn's Elyxir of opium, very good preparation - Morphia is entirely soluble in water - Sulph Quinia is not affected by nitric acid, when morphia treated in the same way, turns red - One grain of morphia is equal to 6 of opium, therefore the dose is 1/6 - The officinal Solution of morphia 1 gr to ℥viii water - Belladonna, Atropia its alkaloid - Stramonium or James town weed - Given in Epilepsy ^or Dose Tinc 10 drops^ - Hyoscyamus ^folia^ or Henbane - (Hyoscyamus [illegible]) Dulcamara or Bitter Sweet - Given in scaly diseases, Lepra &c it has an alkaloid called Solania - Indian Hemp - Cannabis Indica + Sativa Produces contraction of Uterus Dose 10 to 20 drops of Tinct - Alcohol - Gin is a good diuretic - alcohol 92 is proof - Chemical - C 4 H 5 O1 + OH, It dissolves all the deliquescent salts - As a medicine it is an irritant poison -

For Worms - (Worms!)
Senna & Spigelia āā ℥ss -
Sulph Magnesia ℥ij
Manna ℥i -
Fennel Seed ʒi
Water (Boil) Oi -
Macerate 2 hours in
covered vessel - Dose for
child 2 year ℥ss -

℞ For Tetanus
Conia gr ij
Water ℥i
Use Hypodermically

" Vinum Rubrum. Port wine -
" Album Sherry wine - *
The former contains the most alcohol - Wines become better by keeping from a deposition of Carb: Potass - For morning sickness in pregnancy ℞ Champaigne -

Wine Whey ℞ Wine Oss -
Milk Oi -

Prof: J. E. Clagett M.D.

A patient will awaken from the effects of Chloroform & Aether by the opening of the lids of the eyes. When pulse becomes slow & Stertorous breathing comes on stop the use. Therapeutical administrations, by Stomach.

Chronic Rheumatism.
℞ oleum Tiglii - gtt i -
Taken every 24 hours if too active give morphia Sulph: -

For Cancer -
℞ acetic acid 1 part
water 3 parts
m. Inject by hypodermic syringe in the part

Prophylactic for Syphilis
℞ Sulph Zinc gr ij
Spirits Myrcia ℥ii
aqua ℥vi -
m wash hands & Pecker -

In using Anesthetics
℞ Chloroform 1 part -
Aether - 2 "

Aether should not be given in Congestion of lungs, stomach, Inflamm^n of Brain, Organic disease of Heart - Stop it when the pulse begins to fail, death is caused by Asphyxia - "Chloric aether" is 1 part of Chlorof. & 8 of Alcohol - Drop Aether on the head for headache - &c - Hoffmans Anodyne is exactly like Aether in color - Dose 1 to 2 ʒ in cold water - Laurus camphora found in China & Japan. It does not produce strangury - used in Emulsion

Diss nervous Stimulant Dose 1 or 2 grs -
In Uterine after pains 5 to x grs - Locally sprain chilblains &c - Linaments, Camph & oil olive - Camphorated Tinc: Soap best linaments used.
Best Remedy for Bruises &c -
℞ Camphor water & Tinc arnica.

Camphor Julep -
℞ Camphor ʒi
Pulv: Gum Myrrh 30 grs
Sac: Alba - ʒii
Aqua Gentana ℥iv -
m - S Tablespoonful pro re nata

Spinal Stimulants - "Nux vomica" - "Dog button" ~~organ~~ The former contains Strichnia & Brucia & the Strichnia is 12 times stronger than Brucia - St Ignasius bean contains more Strichnia than nux vomica - Its a Stomachic - In poisoning there is stiffness in back & neck - dificulty in opening the mouth, Twitching of limbs, Tingling sensations - Tightness about the Throat, Erections of penis -

Carried back to page 68 -

Dr. C. R. Squibbs Cholera mix -
℞ Tinc: Opium
Tin: Capsicum
" Camph āā ʒi -
Chloroform ʒiii
Alcohol ℥i | 5/8
Teaspoonful after each evac: untill at relieved

# Notes on Physiology and General Pathology —

Oct 1st Prof John F. Monmonier — 1867 —

In plants carbonic acid is given off in the night and oxygen in the day — Dinamical Physiology is the developement of the body, a vital part — The cell wall is every where the same, being that of Proteine — Cells originate by multiplication of the pre-existing cell, another way, by an organizable blastema — & that by a subdivision of its parent cell — Cell. Cell wall. Nucleus. Nucleoli — Cells are globular or spheroidal, containing fluid or solid — again they are polygonal, and then we have the fusiform and stellated as in nerve fibrils — They vary from each other in size from $\frac{1}{300}$ to $\frac{1}{3200}$. The cell wall is that of protiene, Some times the nucleus remains in the same shape while the cell changes — The composition of the contents of the nucleus are not well defined. Attributes of the cell — 1 multiplication 2 chemical transformation 3 vitalization —

In cartilage the cells are produced by doubling — There are mucous follicles lining the whole alimentary canal of a conical shape — Mucous membrane internally is lined with epithelium — Assimulation is the preperation and distribu: of food — The spitile is excresion — Animal functions & vegitable — the 1st is charicterised by volition &c — The contents of a cells are the same — The nucleus are found free sometimes in the cell —

2 lbs of Bile is eliminated in a day — 16 ℥ of Saliva — The nerves of the non-striated muscular tissue is supplied from the sympathetic — The increased flow of blood to a muscle when in action, is occasioned by the demand for oxygenated blood created by its use — and the muscle increases in size from receiv a larger amount of nutrition —

Oct. 31st 1867 — Dermoid tissue. Cutis anserina or Goose flesh — Epidermis formed in flattened and scale like cells the outer is constantly thrown off and new produced — Its thickness is increased by friction — 2½ lbs of perspiration is eliminated in one day — The surface under the nail is called the matrix Albumen is both solid & fluid — Adipose Tissue composed of isolated cells —

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Nov 7th 1867 — Teeth —

20 temporary teeth — 32 permanent — Crusta petrosa, Dentine & Enamel compose the hard struct: They originate, 1st papular, 2nd Follicular 3rd Saccular — Simple membranes, Serous Fibrous & mucous — Nov 12th 1867. Muscular Tissue — Striated & non Striated — 1st made up of fasciculi enclosed in a sheath, myolemma — Contractility is of two kinds, active & passive — There is a sound produced by the friction of muscular fibres during contract — Nervous Structure — The outer part of a hair is called its cuticle — Nov 27th non azotised materials, as Gum Starch Sugar &c — Azotised, Casein, albumen, &c — The Liver is a conglomerate gland — Gastric fluid is clear and has a saltish taste — The act of vomiting is caused from the cont. of diaphragm with muscles of chest

At times + nothing to do -

(111) Decem 3rd Prof: Jas: F. Mersonnier. M.D. 1867-

Absorption is carried on in the arteries, as well as in venous and lymphatics, a lacteals system - Every villi is furnished with a lacteal. After the chyle and lymph arrives in the blood vessles, it makes up the proper blood - The lacteal fluid is carried on by the muscular action, and pressure by the alimentary canal - Functions of the Spleen Thyroid Thymus + Super Renal Capsules, It purifies the blood or fits it for a higher organization - these are speculations - A very rapid flow of blood to the heart would cause somatic death - The circulation in the brain is carried on differently than what it is in the body - January 2nd 1868 - Nutrition - Increased nutrition produces hypertrophy - a deficiency produces atrophy - Necraemia, death of the blood - January 16 - 1868 -

Respiration - For want of force in the capillaries in the Pulmonary arteries we have stagnation - and the tissues and organs are interfered with - Treatment of Asphyxia, purify the blood, keep the surface of body warm - friction &c -

Fatty matter is sometimes formed in excess in the body from impure aeration of the blood -

Secretion - The secretions are for some purpose more than being separated from the blood - The follicles are situated in the secreting glands - The solubility of the chyle is computed to the bile and pancreatic juice - Jany 30 - 1868 -

Feb 4th 1868 - Nervous System. Reflex and consential action -

"1868."

"Cypripelium – Ladys Slipper.

20
3
60 grs
8
480 "

113 Function of Cerebellum { Muscular Coordination -
" + Sensation.
" " Cerebrum { Seat of all mental Impressions -
" " Pons Varolii { Semi consciousness -

What ganglion found on the floor of the Lateral Ventricle ? Corp: Striatum and Optic Thalamus - What ganglion is at the Posterior part of the Crura Cerebri ? Tuber: Quadrigemini: Par Vagum, arises from Restiform body - which (the latter) diverge to form lateral boundaries of the 4th Ventricle and then enter into the Inferior peduncle of Cerebellum - Corpus Dentatum (of Gray matter) is found in the Olivary body - Gray matter forms the inner part of the medulla and is a continuation of the spinal cord - The falx Cerebri is found between the fissure of the Cerebrum, Corpus Callosum connects the 2 hemispheres - The anterior & middle lobes rest in the corresponding fossae, the post on the tentorium - Fissure of Sylvius separates middle from Anter Lobe - and the Island of Reil is found where it terminates outwards - Thal Optici & Corp Quadrigem: are situated posteriorly to the Crus Cerebri and are the ganglia of ~~that~~ Brain - 1

1 Pons Varolii

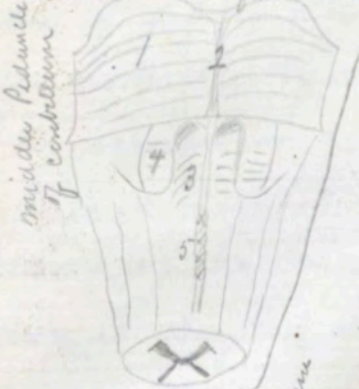
2 Groove for Bas: Artery

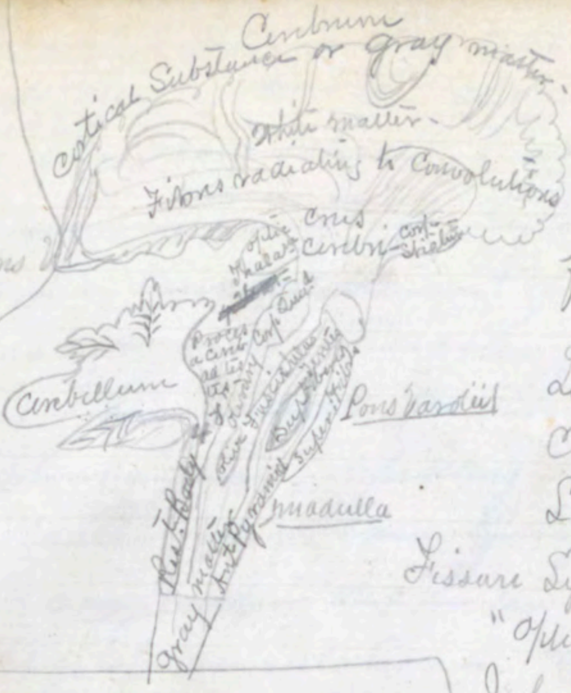
3 Corp: Pyramidalia.

4 Olivary Body-

5 Decussation-

Medulla Oblongata + Pons


middle Peduncle of cerebellum
1
2
4
3
5


Cerebrum
cortical Substance or gray matter.
White matter-
Fibres radiating to Convolutions
Crus Cerebri-
Corp-Striatum
optic thalami
Corp Quad
Process a Cereb ad testes
Cerebellum
Rest. Body
Olive
Fasciculus
Pons Varolii
Sup.
Ant. Pyramid
Medulla
gray matter

"Objects on under portion of Cerebrum from before backwards"

Longitudinal Fissure-

Corp: Callosum + its Peduncles-

Lamina Cinerea- Olfactory Nerve-

Fissure Sylvius- Anterior perf: Space-

"Optic Commissure"- Tuber Cinereum

Infundibulum- Pituitary Body-

Corp Albicantia- Post: Perf: Space-

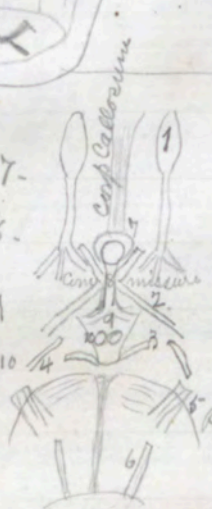
"Crura cerebri"-

Pituitary body 7-

Infundibulum 8-

Tuber Cinereum 9

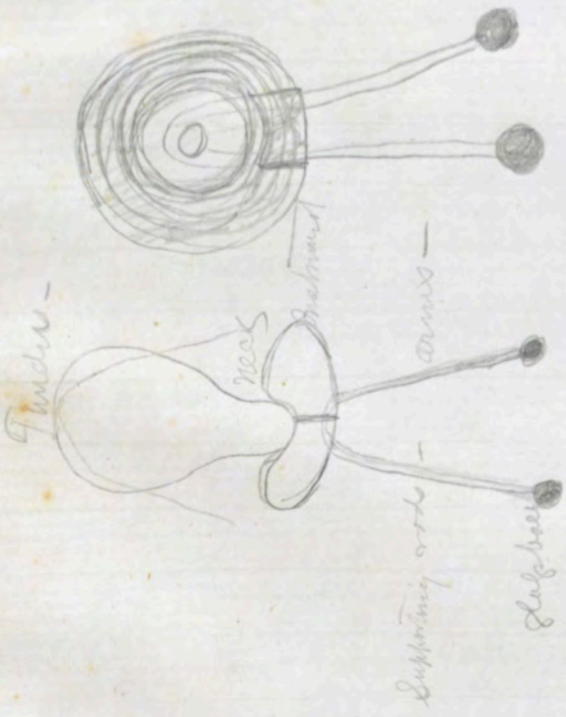
Corp: Albicantia. 10


Corp Callosum
1
Commissure
2
3
4
5
6
7
9
8th Par Vagum-
9th or Hypoglossal-

4th Ventricle-
Restiform
Olivary
An. Pyramids-

Transverse Section

4 Ventricle is bounded behind by arm of Restiform and in front by Peduncle of Pons Varolii


Fundus-
Neck
Bottom
arms-
Supporting rod-
Half ball

plasma, therefore sink to the bottom and prevent the contraction similar to that which takes place on the upper surface — which forms the cup shape — We next come to consider Albumin — consistently with health, "there ~~is about 60 or 70 parts 1000 of blood~~" forms about 30 per cent of the blood we find it generally in the serum of the blood, and this may be done by placing a little of the serum in a spoon and heating it, the albumin ~~to found~~ it will be thrown down as a white precipitate, resembling the white of an egg — though it's not identical with it. It coagulates on the addition of Alcohol mineral acids heat &c. ~~This is the most important ingredient of the plasma~~ — Chemically speaking it consists of C.H.O.N and a small proportion of Ph & Sulphur. We have not only one kind of Albumin but different kinds of Albuminoid substances flowing in the blood. Lastly we have Fatty matter, Extractive matter the Chlorides, Phosphates & Sulphates, in regard to which I know but little — ⑥ Now to speak of it as a whole, its temperature varies greatly in regard to the situation, the condition of the system &c. In a healthy state its mean temperature can be put at 98°.

It is the source of all the secretions of the body, It supplies the system with Oxygen as well as relieves it of Carbonic acid gas, by the respiratory apparatus — It distributes the nutritive principles to every texture — We could not form a correct diagnosis of many of the diseases to which we are liable were we ignorant of the changes produced in this important ~~element~~-tissue, for ~~such~~ it may be called as such — We see it often rushing like a torrent upon the great center of intellect, flushing the face and eyes, distending the great vessels of the neck, convulsive movements occur, a total loss of perception intervenes, it bursts through the bounding vessel upon the brain and death claims its victim — Then again we see a patient shivering with sensation of cold (as if he were passing unhabituated through the Frigid regions of the north,) with a non-appearance of blood in any of the tissues, sunken appearance, tremulous movements, chattering of teeth, fingers & lips presenting a bluish tinge, the vital movements of life are suspended, & death the result — ~~this we do not see, but its effects are of very common occurrence~~ —

Finis

911

that they ~~tend~~ have for their function the formation of the red.

In regard to the ~~changes~~ pathological changes produced I have stated above. Having finished all I have to say about the corpus^c. will next take up the Fibrin, which is supposed by "Beale" to be formed from the white Corpus^c. the fibrin running out of it like a tail, as is seen by the microscope. It is composed of two substances Fibrinogen and Fibrinoplastin, which when combined coagulate + not unless they are ~~combined or~~ united will the coagulum form, this is fibrin. Fibrinogen is an Albuminoid substance and found in the plasma, while Fibrinoplastin comes from the red + white corpus^c. when not combined with any the other constituents of the blood, it appears in white threads + flakes, having a semi-solid consistency, and is endowed with much elasticity.

From the fact that the fibrin in Animal food will be converted into Albumen during digestion shows that there is a close chemical relation the most obvious difference is, the former will coagulate spontaneously when removed from the body. this is the clot, formed from particles of fibrin collecting together and is composed of fibrin and Corpuscles. It commences to coagulate about 15 minutes after being drawn and finishes in about 20 min^t. but much depends upon the orifice, temperature &c. In the course of 11 or 12 hours the serum has separated entirely from the clot. There is an inverse relation between the rapidity of coagulation + firmness of clot. In cases of lingering + exhausting illness, as in Typhoid Fever &c the blood coag^s. rapidly + the clot is soft. Oxygen promotes the coagulability of the blood, while electricity prevents it. We now come to notice

S the Buffy coat another cupped condition of the blood, Some years back it was looked up, that is the Buffy coat, as an infallible sign of inflammation, I believe that idea is not entirely discarded ~~yet~~ though it is found to exist in the state of pregnancy and some other condition of the system. Any thing which produces an excess of fibrin with inflammatory action will produce it. Carpenter says "it may be produced by any cause which occasions delay in the coagulation of blood." As to the cupped state The Fibrin + Red corpus^c having a peculiar strong attraction for each other, leaves the serum, which encloses the clot, the clot forming in a cup shape. concave on upper surface + convex on bottom, this is owing to the corpus^c of the blood being heavier than the

And in cases of active Inflammatory disease of Pleurisy, Pneumonia &c blood coag.^d slowly and the clot is a becomes very firm. In every instance the blood which has coag.^d liqua- 118 fies again at the commencement of putrefaction - The coagulation of fibrin is not a commencement of Organization the filaments are entirely different in their Character from the fibres of Areolar tissue or any other normal anatomical element -

It is a morbid phenomenon, depending on the cessation or disturbance of the circulation, as in case of ligating an artery, that above it coag.^s It coag.^s after death (in the vessels) from same reason - viz. stoppage of circulation - In acute Inflammatory disease, the blood is in coag.^n unusually retarded, the clot forms 2 portions, lower portion of dark red color, from an accumulation of the globules, and an upper portion from which the Globules have subsided and which is grayish white color this ~~whitish~~ whitish layer on the surface is called; "Buffy coat", & blood is said to be "buffed". The Thunder it is - -

To-day [illegible] more than usual anxiety did I look for a letter [illegible] hoping there would be one bearing the Post mark, [illegible] said unusual anxiety. I have always, [illegible] pleasure of corresponding, manifested a [illegible] Express, a letter from you but a long time has elapsed [illegible] not since I returned to [illegible] my feelings were aroused to a more than usual anxiety - I had [illegible] to enjoy the perusal of one this evening ~~being alone~~ by a comfortable fire in my Office alone but [illegible] only to return you my sincere thanks for your kindness & consideration in forwarding a copy of the "[illegible]" - I [illegible] keep thinking but there has been some mistake, that you have [illegible] & have failed to get it in due time I only judge from your former punctuality & aversion to procrastination - Am I right?

The [illegible] upon it [illegible] but a slight glance from one [illegible] by an absent & I may say a sincere friend - Yes, I cannot but wish ~~for~~ be more 'absence' [illegible] appear from memory's tablet thoughts of the past, ~~of~~ the happy [illegible]. Providence forbid [illegible] too good to last. My [illegible] are plain, but you will excuse [illegible], they are my own thoughts - and springeth not from idle imagination -

119 Aegis – shield –

We were once surrounded by every luxury that heart could wish [illegible] happiness attended each one around our cheerful fireside, but fate has seen fit to decide otherwise ~~now~~ placing us on a footing [illegible] – & separating those who were many happy under the same roof – now scattered to diff climes – I am glad that the Sovereign in his military ships a tendency to leniency

The variegated changes of March

Thank you for your kindness & consideration in forwarding me

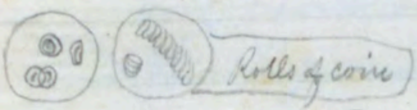
Except my best wishes for your future welfare & happiness – Goodnight pleasant dreams & "slumbers light" –

Highland Mary –
"Time but the impression deeper makes,
As streams their channels deeper wear."
"Burns"

By Microscopic Examination –

Haematology – "Dalton's Physiology" 120

The blood, as it exists in its normal state, varies in color in regard to the different parts of body it occupies, from a brilliant scarlet to a dark purple. Its alkaline, Sp. Gr. 1056 – Is not entirely homogeneous, but consists of Plasma, which is transparent, alkaline fluid, containing water, albumen, fibrin, salts &c in a state of solution, & 2 a body of cells or corpuscles, the blood-globules, swimming freely in the plasma – the latter give to the blood its opaque appearance and a uniform Red color. Red Globbules are ~~round~~ circular & smooth – Transverse diameter varies from $\frac{1}{3000}$ to $\frac{1}{4000}$ of an inch – form is that of a spheroid, very much flattened on its opposite surfaces – some what like a bisquit – Thickness of globule is $\frac{1}{16000}$ of inch – They are sometimes called "blood discs" ~~from~~ and also "blood corpuscles" – "But I employ the globule",



The color of red globules when viewed by transmitted light & spread out in thin layers, is a light Amber or pale yellow – On the contrary, deep red when piled together & seen by reflected light – They are not solid as was once supposed but has a consistancy which is very nearly fluid, and are therefore very flexible, this distortion however, is only temporary, the globules regain their shape – In structure they are homogeneous, Its made up of a closed vesicle or cell-wall, containing a mass of organized animal substance – nearly homogeneous in appearance and color, consistancy &c – They amount to about 15 per cent by weight of the entire blood – viz after the water has been evaporated, In its natural semi fluid condition, amounts to 1/2 the entire mass of blood – Composition of blood Globules – 1000 pts Water 688 – Globuline 282.52 – Haematine 16.75 – Fatty Substances 2.31 – Extractive matter 2.60.

Chloride Sodium & Potassium
Phosphate Soda & Potassa
Sulphate " " "
Phosphate Lime & magnesia
8.12

most important is globuline – Haematine is the coloring matter of blood, is like globuline, an organic substance, containing iron which gives it the Red color – (In "birds reptiles & fish" the cell contains a colorless granular nucleus when in warm blooded there are none –

The White are in proportion 1 to 2 or 3 hundred Red – They also differ in shape, size and color, Globular in form – colorless

And instead of being homogeneous, their substance is filled every where with dark molecules, which gives them a granular appear$^{ce}$ 131 Are in size $\frac{1}{2500}$ of an inch in diameter— The chemical constituents have never been found out, owing to the small quantity in which they ~~app~~ occur— Composit of Plasma in 1000

| | |
|---|---|
| Water | 902.90 |
| Fibrin | 4.05 |
| Albumen | 78.84 |
| Fatty Matter | 1.72 |
| Extractive matters (undetermined) | 3.94 |
| Chloride Sod + Potassium —<br>Phos— " " Potassa —<br>Sulph — " " "<br>Phos— lime + magnesia. | 8.55 |
| | 1000.00 |

The two ingredients of organic class are Fibrin and albumen— 1st is very important & may be obtained by stirring with twigs, its semi-solid— colorless and elastic— The quantity varies, there is more fibrin in arterial than in venous blood— Albumen is undoubtedly the most important ingredient of the plasma, it coagulates on being heated to 160° F. or by alcohol, mineral acids &c— The phosphates of lime + magnesia are retained in it after coagulation and also the water in the plasma— Most of Fatty matters are in saponified form— Saline ingr$^{ts}$ are the same as in Globules— Extractive matters but little is known— We some times find the alkaline carbonates, which are held in solution in the serum—

Blood coagulates readily after having been drawn from the body commences in about 15 min and completes it in 20 minutes, its owing to the fibrin— Is called the "crassamentum" or "clot"— In course of 10 or 12 hours the clot has separated entirely from the serum

Before coag$^{l}$ the blood consists of—
1st Globules and 2nd Plasma— {fibrin, Albumen, water, Salts—}

After Coag$^{l}$ its separ$^{ed}$ into
1st Clot— cont— {fibrin, Globules— + 2nd— Serum {Albumen, water, Salts—}

Conditions by which the coag$^{n}$ is retarded or hastened, 1st Rapidity with which it is drawn— 2nd orifice from which it flows— If drawn Rapidly & in full stream & large orifice it remains fluid for long time— If drawn slowly + from narrow orifice, coagul$^{s}$ quickly— again from shape of vessel, + the condition of its intern$^{l}$ surface— the greater the surface the more is its coag$^{lation}$ hastened— and if the surface is roughened it entangles the fibres and hastens coag$^{l}$— In same way + reason does hemorrhage continue longer from an incised wound than from a lacerated— There is an inverse relation between the rapidity of coag + the firmness of the clot— In cases of ~~protracted~~ lingering + exhausting illness or in disease of typhoid or exanthematous character +c the blood coag$^{l}$ rapidly + the clot is soft—

Carried to page 118—

Coagulation &c —

Nov 26 — Circulation of the Blood — 1864

The vasa vasorum are vessels supplying the arteries — Fibrous coat is divided into two coats, internal or yellow fibrous & External are greyish, fibres run transversly — Internal coat or Epithelial lines the inner parts and is a continuation from the heart — There are really 6 layers in the arteries — The arteries are supplied with nerves, 2 circulation Systemic and Pulmonary — We have frequent anastomosis of these vessels — and anastomoses of different kinds, as in circle of Willis, mesenteric arteries &c —

Veins commence from the capillary vessels, enlarge by degrees until 2 large trunks are formed the Asc. & Desc. Vena Cava — External coat is areola, the middle is fibrous, unstriped fibres are formed in them, the longitudinal fibres are of great abundance, The Epithelium is same as in Arteries — We have valves of semilunar shape, sometimes in pairs — The smaller & larger veins have no valves, but we have more valves in the lower extremities, as all fluids have a tendancy downwards — Capillaries may be seen with a microscope, size from $\frac{1}{1000}$ to $\frac{1}{3000}$ of an inch — They form loops in the villi & in the skin, lungs, Stomach &c — The arteries have no other mode of communication with the veins — Epithelium is only found in the largest capillaries — December 10th 1864 —

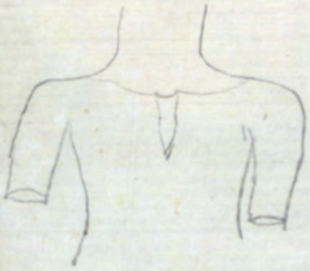
Liquor Sanguinis — Serum coagulates by the application of heat — Coagulation does not depend upon the red corpuscles — There are more red corpuscles in the male than female — Uses of the constituents of the Blood — Fibrin for muscular structure, and is the raw material from which all the tissues are formed — The saline matter forms tissue, and prevents decomposition — Fatty matter nourishes the cells from the start — These parts change in disease, Fibrin increases — The albumen when changed, we have albuminuria generally — Buffy coat is formed from the particles of Fibrin collected together, when there is an excess of fibrin it coagulates more slowly & more firmly — The lower portion of the clot is red, when the upper part is buffy, when it coagulates slowly and contracts it is called cupped, The buffy coat is no indication of Inflammation — In Pregnancy, if blood be drawn from veins, there will be found buffy coat & it will be cupped — In Blood the constituents of each tissue is found — Dr. Mommonier commences circulation with Plants, The vis a tergo is not necessary in plants — but light — and vis a fronte. Carbonic acid is absorbed by the leaves and oxygen eliminated — The absorption, if a plant is placed in the dark, is stopped — showing that the vis-a-tergo has nothing to do with it — The circulation is partly aided by the affinity which the cappilaries have for the fluids — The higher animals require oxygen, the lower or plants carbon

"Ubi Stimulus ibi Fluxus" - Ubi Irritatio ibi stasis -

123 The Embryo is nourished at first by absorption - The Foetus has a circulation commencing out side and distributed in the body - Radiatas + Mollusk comes next in the scale - In fish we find the blood aerated by the blood being brought to the gills (or capillaries of the gills) In Reptiles we have two auricles and a ventricle and therefore the blood is of a mixed quality - The functions of the Heart, the systole + diastole - 1st sound, the longt + oblique fibres of heart causes a swinging around fibulated organ - Sounds of Heart, 1st Sound dull prolonged one - Contraction of ventricles closes the semilunar valves, apex of heart against the chest helps to produce the sound - 2nd Sound is the tension of the semilunar valves from relaxation, many circumstances influence and modify the sounds &c of Heart - number of beats &c - nervous centres may be removed with out affecting the Heart, but we also know that there are certain nerves when irritated or stimulation produces some influence over the heart - It's then a combination of these influence that effects the Heart - December 17th movement of blood through the arteries, the middle coat or elastic tissue aids in the propulsion, contractility must not be confounded with elasticity. This jerking disappears at a short distance from Heart, + we have a wave motion which is called pulse. The contract. of artery shortens the artery the elasticity equalizes the circulation - Diseases of the vessels ossification, aneurisms, atonic condition producing dropsy &c - The united areas of the vessels will be equal to the aorta in size - that is all the small branches brought together will make a size equal to the aorta - December 19th Capillaries, nearly a continuation of the arteries. The supposition was at one time that they were tubes channeled out of the muscular + parenchymatous tissue, Their object is to furnish the tissues with nutrient material - The bones + cartilages are nourished by absorption - The very small capillaries carry white blood - Nutrition + secretion only takes place through capillaries and not through the larger vessels. They assist in equalizing the circulation - Blood having passed through the body has lossed its oxygen, + the carbon having an affinity for the atmosphere passes out through the Lungs The Blood that goes to the liver by portal system furnishes the cells with bile and is returned by hepatic vein - We have congestion + determination from local stimulants &c, and when abnormal produces Inflamm. Nervous influence is produced by the sympathetic nerves -

# Diseases of Heart & Lungs —

"Regions" Supraclavicula, Sub clavicular from Cl to 4th Rib, axillary, Lateral & Scapular — Sternal, &c — Sonnas, Sternal Region we have Vena innominata arch aorta, valves tricuspid mitral, &c —



-Lowenes-

Respectfully dedicated to Willie Conway 134
— "And that word love, which Gray-beards
call divine, be resident in men like
one another and not in me,
"I am myself alone"

"Ultra pergere" and success
is yours, Obscurus

Whenever you look upon this slight inscription let it call(s) to your mind one whose heart is tenderly and inseparably linked with thine by the golden cords of sweet friendship and who with all his imperfections, certainly entertains the truest, purest feelings of affection for one in whose society he has passed many a weary day and for whose happiness he will always be ready to do all in his power. It is my desire that you may get your Gallie
"Yes Marry your Sallie"
Χαρλες Μ. Παινε

In orchitis from metastasis of Gonorrhoea, to bring back the discharge R Tar Emet grs ij to ℥i water Inject in penis

# 135 Surg^l. Clinic —

Surgical - Mr [illegible] in Commands - [illegible]

The cough in Bronchitis is greater in the morning and in the latter part of the night - In pleurisis the pulse is full. In Bronch^t the pulse is small - Bronchitis, treatment Tartar Emetic 1/16 grain opium 1 or 2 grains combined, afterwards give some cathartic, oil, or salts - counter irritation as blister, some time Veratrum viridi - Later Sal ammoniac. Make a solution of nitrate of Silver and apply with a brush as far down as possible - Capsula Cat^ct or membranous, & ~~Cataract~~ Lenticular In a healthy person - when a candle is held befor the Eyes there are three flames seen one inverted the other two erect - When there are two flames it is Len Cat^t — [illegible] - The patient sees best when the pupil is dilated. 3 modes of relief, depression, breaking up + Extract - Concussion of the Spine, Symptoms cold clammy skin vomiting dysuria, Constipation - sencibility in limbs lost + also locomotion - Treat, Iodide of Potas, as an alterative - The Hunterian chancre is the only one that produces Syphilis - from 3 to 15 days Syphilis shows it self. Crescentic form of an eruption and a coppery color are Syphilitic - Primary Syphilis characterised by chancre and bubo or one, + Secon^d from skin erup + Tubercu by osseus sores - Treatm R Nitric acid gtt v 3 times a day and never used with mercury - External med solution of chloride of mercury in glycerine - R also - Corrosive Sublimate gr ij Iodidii Potassae ℨ ij Comp Syrup of Sarsaparilla ℥ iii - Muriate Tinct Iron ℥ ß 20 gtt 3 times per diem, for convalescent stage of Erysipelas - Nebula is a cloud over the cornia; Albugo is the same cloud with a spot in it — Onyx - Pannus is the commingling of grey and red in the eye - * Chronic ophthalmia Corrosive Sub, Iodid Potas, and Sarsap comp Syrup, and a blister near the eye or back of ear - Richardson Spray apparatus - Indolent - Ulcer - Edges are hard and elevated, varicose condition of veins in the neighborhood - R Nitr of Silver + compression - (Cold water keeps down Inflammation) [illegible] peculiar

Oct 25^th [illegible] (A Characteristic sign of Ozena is the peculiar offensive odor of the discharge - Trt^mt Corrosive Sublimate employed - When Scrofula exists - besides local trtmt give [illegible] use remedies to brace up the powers of the System &c &c

Scrofula is a product of Second^y Syphilis - Transmitted from Syphilitic parents to children &c &c - Varicose Veins and Ulcers Causes, 1^st which prevents the course of the return of blood 2^nd weakning of the coats of the veins - Treatment - compression - For Stricture of the Urethra pass a catheter down and divide the part from without - ie with a scalpel -

| Strichnia sometimes produces soreness of the muscles - from over stimulation of the nerves -

60

To find the articulation between the phalang + metatarsal bones, the distance from the web back, must be the same as the length of the toe - 136

For Rheumatism ℞ Veratrum viride Tinct: gtts ss - Common + Specific Inflammat no dullness, no vesicular r[a]le, no sonorous rale - specific inflammation of the throat - | Pain and streams of cold down the back, partial paralysis - arising from the snapping of a small venous branch or arterial causing a clot - ℞ alteratives as Iod: Pot ℥ij Sulph Strichnia gr j acetic acid gtts 6 water ℥iij - m Teaspoonful m + n in wineglass of water directly after meals - | Contusion, producing echymosis from rupture of blood vessels - Treat: ℞ Stimulants, as Plumbi: acet: gr x to ℥i aqua or weak Sol of Nitrate of Silver - | Dislocation of Sholder joint, if the patient cannot place the hand of the effected arm on the opposite sholder its proof enough for dislocation - Nov 5th Operation for varicose veins, first tie a band around, above, to distend the vein and 2ndly pass a needle under the vein taking care not to wound it, 3rdly place a short piece of a wax bougie upon the vein (longitudinally) and use the interrupted suture over that - Synovitis with effusion of serum at knee joint which occurred from wound - Treat Blister ext: and Iod: Pots ℥i and Nitrate of Potass ℥ij as an alterative and give wine colchicum (Rad) ℥ss Dose, table-spoonful 3 times daily - Atonic Ulcer - in an anemic patient - Treat: Iron by Hydrogen ℥i Quinine ℥ij Nux vomica gtts x - The patient was also suffering with ague + fever -

Syphilis 2ndry - Warrens ℞ - Corrosive Sublimate grs ij *
Iod: Potas ℥ij
Fl: Ex: Stillingia
Comp: Syrup: Sarsaparilla fl ℥iss
S. Teaspoonful 3 times daily in a little water -

For Fracture of Clavicle use Four tailed Bandage 12/12 0/0 100

Hernia, we have Inguinal both oblique + direct

For Scrofula in Boy with Shortening of Limb, (white swelling) ℞ Syrup: Iodide Iron x gtts with Teaspoonful of cod liver oil - Blister the hip joint

Herpes - with modification of Blood - ℞ Fowlers solut: v gtts
Tinc: muriat Ferri 15 gtts
m. S. 3 times daily -

"Bite of a mad Dog" Externally Iodine applyed to the part
℞ Permanganate Potassae
use as disinfectant + neutralizes the virus

Strumous Ophthalmia - *
As an alterative ℞ Corrosive Sublimate gr j
Iodide Potassae ℥i
Aqua ℥iv.
m. S. 30 drops given 3 times daily in water -

Locally use
Nitrate Silver gr i
aqua ℥i
m - apply daily as a Stimulant -

(Chancre larva &c.)

Concussion of Spine with fracture Spir: process of Lumbar
℞ Sulph: Strichnia gr i
Aqua ℥ij -
m One drop 3 times daily.
Sapo Locally -
Spts Ammonia ℥ss -
Chloroform ℥ii
Olive oil ℥iss -
Rub on Spine +

Stillatim (driping of urine) ointment of Belladonna applyed. Syphilis accompanying it Treat. See above *

+ For Spine in case on left - Oint Belladonna -

Boy 5 or 7 years old -

137 Scrofulous Ophthalmia with Inflamn of Cornea -
Extert. nitrate Silver 1 gr ℥i aqua -
℞ Corro: Subli: gr i Internally -
Iodid Potass ʒi -
Cod liver oil ℥vi - m
S. 30 drops 3 times daily -

"Ricord" discovered the chancre in urethra" called "Chancre Larvé" french

Amarosis. There is semi-vision - It may be located in the Retina, optic nerve, or in the Brain - Symptoms. when sound eye is closed the pupil of the other dilates, when it exists in both there is dilation in both: Treatment Electricity -

Injuries of Spine, Treat. ℞ Iodi. Potass. ʒij
Com Syrup Sasaparilla ℥iij,
Strichnine gr i
Nitric acid few drops, to insure a solut of Strichine

External application
℞ Belladonna ointment.
apply to Spine

Club foot - Talipes equinus Pass Knife under the tendon and cut outward not through the skin for then there would be danger of getting air in the wound

Amarosis, There are blue sparks glimmering before the eye - Treat Electricity &c -

Deafness - apply a watch to the ear, and then in the mouth, if heard in latter the nerve is not effected, If not heard out side, some part of extern ear is effected - Treat
℞ Extr: Opium gr i
Glycerine ʒi
m. a few drops in ear.
Externally ℞ Blister behind it.

"Fracture of Rib." Symptoms, difficult breathing projection of Rib &c Surround the chest by a band or adhesive plaster

Whitlow, We have cutaneous, Sub cut: and that involve the bone - Treat - Support the System ℞ Muriat Tinc Ferri: and Poltices of some kind. better to make an Incision to the bone in worse kinds -

Caries of Hip Joint, ℞ Iodide Potass ʒii
℥ Mercury Bichlo gr iij Comp Syrup Sarsap

"Bartons Fracture", Splitting of the lower part of Radius -

Chronic Ulcer -
℞ Iodide Potass ʒi
aqua (Fontana), ℥iv m. Teasp 3 times daily

Caries of Bone is moist Gangrene (dying molecules)
Necrosis " " " dry " death en masse

Necrosis of Angle of lower Jaw -
℞ Potassae Iodidii ʒij
Oleum Morrhuae ℥vi
This enriches the blood and aids nature in repairing the periostium -

Scrofula in Boy -
Cod liver oil ℥viij -
Desert Spoonful 3 times daily -
"Muriated Tinc: Iron" ʒi -
8 drops 3 times daily with teaspoonf of the oil

Encysted Tumour (or wen) over the eye -
Dissect it out wisdom by Dr Warren

Chronic Sclerotitis - (vessels straight -) from Rheumatism -
℞ Sulph: morph: gr ij -
Bi-Carbonate Potass ʒii
vin; Colchycii ℥ss -
aqua ℥vi -
Table spoonful 3 times daily -

In Conjunctivitis there is a Brilliant red colour and the vessels are tortuous

Diphtheria –
℞ Potassae Chloras: ʒiiss
Pepper^m water ℥iv ss –
M. S. Tablespoonful every 3 hours

Idem –
℞ Potassae Chloratis ʒii
Tincturae Ferri Muriatis ʒi
Simple Syrup
Pepper^m water, āā ℥ii
M f
Table Spoonful every
3 hours – "Hartshorn"

Dysentery (Very good) 140
1st Stage – Morphia – 2nd. Morphia +
Counter Irritant ie Mustard Plaster – 3 stage
℞ Oil Terebinthinae ʒij
Tinct Opium ʒii
Aqua – ℥vj
Teaspoonful 3 times daily –

To Make Ink –
℞ Ferri Sulphatis ʒvj.
Nut galls ʒij
Gum arabic ʒvj
Aqua – q s – CW –

Indelible Ink may be made by adding small quantity of China Ink to the above –

Rheumatism –
℞ Bi Carb: Potas ʒiv
Vin: Colch – ij – vj ʒ
aqua ℥iij
M. Tablespoonful 3 times daily
in wineglass of water –

Carbolic acid Mixture
℞ Carbolic 1 part
Olive oil – Linseed oil or
6 parts Mucilage or Glycerine

Gonorrhoea ℞ Tannin 15 grs
Calomel 10 "
Glycerine ʒi – ℥ss –
Introduce on bougie or add a little
water + inject –
Dr Logan

Chordee and Erections at night –
℞ Bromide Potas 6 grs
Camphor Water – ℥ss –
Teaspoonful frequently at night
Dr Fisher

Syphilis – ℞ Calomel 15 grs –
Pure Opium 5 "
" Ipecac – 3 "
M ft 15 pills – 1 3 times day
Dr Fisher

Good mode of giving Ammon (as Stimulant)
℞ Carbo: Ammon: ℈ij
Gum Arab ʒi
Sacc: Alba ʒi
Oil Cinnamon gtts 5 –
Pure Water ℥iv –
Table spoonful pro re nata –

Diarrhoea from debility of bowels –
℞ Sulph: Iron ℥i –
Sulph: acid ʒss
aqua fonta, ℥x –
m. S for child 4 – 10 drops
for adult 20 – 30 "
3 times daily –

Tannin and Tenesmus in Dysentery –
℞ Castor oil ℥i
Gum Arab ʒi
Laudanum 40 drops
Aqua (mint) ℥iv
Tablespoonful pro re nata

Sedative Cough mix –
Tinct Bal: Tolu ʒi
" Digital ʒi
" Opii ʒii –
S. Teaspoonful 3 times daily

Sore Nipples – fissures –
℞ Nitrat Silver gr 4
Rose water ℥i –
Same
℞ Tannic Acid 20 gr
Glycerin ℥i
Same –
℞ Dulcamara Plaster
Same
℞ Plaster Belladonna

To keep the breast from gathering keep the milk out, if it does make and apply Flax seed poultice

Steal not this book, mine honest friend
For fear the gallows be your end
And God will say in that great day
Where is the book you stole away
From Little Billie C–o-n-way! –

Chas H [illegible] aspiring Composist

Chm & Spugs – e pluribus unum – Sic semper tyrannis etc one and the same – forevermore – you bet!

Yours

D'lemma Polka
Phila-ma-delph",
Balti-cum-more",
Hall & Payne's piece
Mabel Waltz –
"Mary of Argyle"
These you must sometimes play and imagine "Spugs" sitting by with the "old banjo"

P

"Small Pox"-
℞ Sarracenia Purpurea ℥i
water Oii
Boil down to Oi-
Dose- 2 Table spoons full every 4 hours- and sustain the patient with arrow root &c-

Chill Blain
℞ Spts: Hartshorn
" Turpentine
equal parts
bathe the parts

Same- ℞ Pul: Camp ʒi
Lard- ℥i-
Spts Turpen: ʒii

Conjunctivitis Chronic-
℞ Red oxide Mercury ʒi
Puls: Camphor ʒss.
Vin: Opii ʒss
Aqua Litharge ʒss
Unguent Cetacei ℥i-
m- Put a small piece size of grain of wheat in the Eye- "Clagett"-

(All of these preparations or powders should be powdered very fine-)
(water which has stood on lead- —

Menorrhagia-
℞ Bi: Tar: Potass ʒi or ii-
water Oi
m + sweeten + give the above in 12 or 24 hours-

Anodyne-
℞ Chloroform ℥i-
Tinct: Capsicum ʒss-
Oil Peppermint 3 drops-
Muriate Morph gr 8-
Per: chloric acid 20 gtts-
Prussic acid- 12 gtts-
Tinc: Indian Hemp ℥i-
Treacle ℥i-
M- Dose 8 or 10 drops-

Arterial Sedative + Anodyne
℞ Tinct Gelsemium sempervirens-
" Veratrum viride
Chloroform- āā ℥ss-
Dose 15-20 gtts until its effects are produced- (Schules)

Neuralgia-
Sul Quinia ʒi
Sulph Morph gr i ß.
Strichnia " 1
Arsenious Acid " i ß-
Extract Aconite " 15-
M Ft 30 pills one 3 times daily-

"Cortrac- St: Vituses dance-
℞ Sol Extr Cimicifuga ℥i
" Skull Cap ℥i
Valerinat Quinia ʒss
m. ft. 60 one every 2 or 3 hours-

Diarrhoea
℞ Resin gr xv
3 times daily-

Tinia Capitis
℞ Flos: Sulph: ʒi
Sal: Ammon: ʒi-
Adeps ℥i M.
wash the head first with warm water & apply m + oz the above-

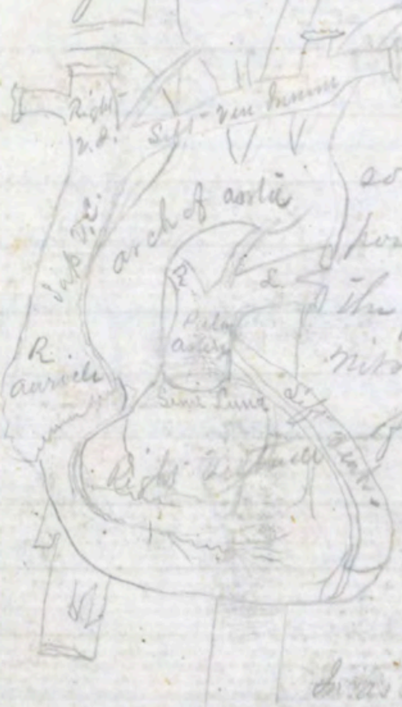
Dyspepsia- with Acid + debility
℞ aquae Ammonia ʒi
Magnes: Calcin: ʒi
aquae Cinnamon ℥ii
" Fontana ℥i ʒvi
Tablespoonful taken whenever there is uneasiness-

"Haematology including its Circulation" –

The middle coat of an artery has a parystaltic motion – and the fibres are arranged in a circular form, when those of the inner are longitudinal –

Blood is distinguished as the vital fluid – In literature & common parlance it represents life – "Life's blood", is a common expression – It is indispensable to the functions of all the organs &c – It is a complex fluid. Anatomically considered, it consists of corpuscular bodies viz., Red glob. White glob. & c suspended in Liq. San: Organic elements are fibrine albumen, & haematin etc. Inorgan. viz; Saline ingred. Iron Water & gases – Red corpuscles ^Globules are solid or semi-solid – and are supposed to absorb and transport the gases, as oxygen, Carb. acid & nitrogen – The Red are 100 to 1 of the White in number –

anter Temp.
middle Temp.
orbital
Trans Facial
Post auricular
Temporal
Occipital
Facial
Ext. Carotid

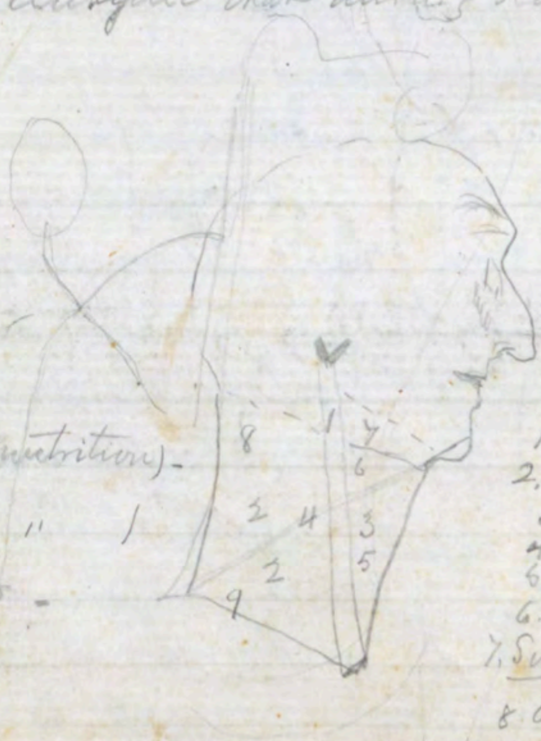

Right v.i.
Sup. – vein Innom.
arch of aorta
Sup. V.C.
R. auricle
Pulm artery
Semi Lunar
Right Ventricle

Ascending the scale of organized beings, We have four sub kingdoms into which animals are divided, Radiata, Mollusk, Articulata & Vertebrata – Force that propells the blood – vis a tergo – muscular contraction, Fascial pressure, vis a fronte – vacuum in the auricle, During youth & adolescence the circulation is much more energetic than during old age or Senility –

Water ℥i
Sugar –

B. Blk.
B Blackstan

Hypertrophy – (Augmented nutrition) –
atrophy – (Diminished " " )
J. F. Wilhelm 200.25 –
Cookson
Howard Co
Md –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1
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2
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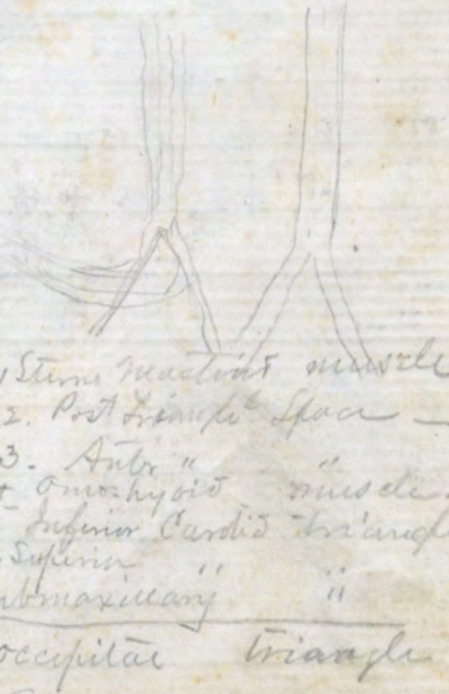


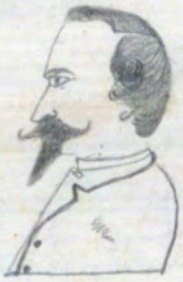
1 Sterno Mastoid muscle
2.2. Post Triangle Space –
3. Anter " "
4 Omo-hyoid muscle –
5 Inferior Carotid triangle
6. Superior " "
7. Submaxillary " "
8. Occipital triangle
9 Scapular "

135 – 240 8lbs
27 Shan

" January 3rd 1868 – " Tubercle of Liver in Auricle of the

Blood. Haematology

Necraemia, Death of Blood – Calumniae Casnae –
Haematology – Hematemesis – Haemoptisis – Haematocele –
Anemia, Plethora – The Temperaments – Medico legal Points –
Source of every secretion. Nutrition for the body – Blood in health
+ disease – Expectorated in Pneumonia of Blood is serious –
Less blood has been shed by the sword than by the Lancet,
Dr. Clagett. Some times the smell of blood causes persons to faint,
Blood fills every space in the body – Quantity of Blood –
Changes in the blood by Respiration –



Prof Jno. Monmonier MD –
Demonstrator of Anatomy –

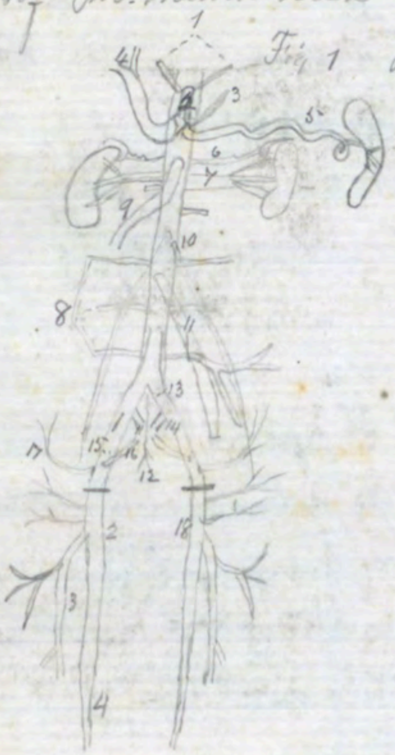


Fig 1

Fig 1
1 Phrenic
2 Coeliac Axis –
3 Gastric } Coeliac Axis
4 Hepatic }
5 Splenic }
6 Supra Renal –
7 Renal –
8 Lumbar –
9 Sup – Mesenteric
10 Spermatic –
11 Infer Mesenteric –
12 Sacra media –
13 Com – Iliac –
14 Inter "
15 External "
16 Epigastric
17 Circumflexa Ilii –

1 Ext Iliac –
2 Femoral –
3 Profundas.
4 Popliteal –

Scarlet Fever Rx muriatic acid ℥ii diluted with ℥ii distilled water – add Chlo: Potass ℥i m. 2 ℥ of this mixt: mixed with Oj of Dist aqua – Constitute the Chlorine Mixt: of which give Tablespoonful frequently Pro – re – nata

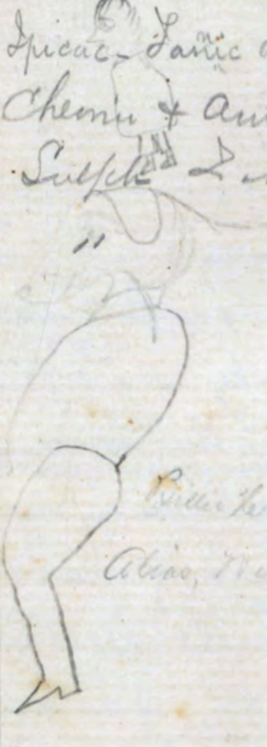
Scarlet Fever is generally Recognised by the affection of the Throat and Skin – Cynanche Maligna –
The Rash of measles appears on 4th day that of Scarlatina on 2nd " Watson"
Treat: Chlo: Potass – inter

The blood, we have Liquor Sanguinis in which the Red & White corpus are suspended – We have 4 principle constituents in blood –

Fibrine } in solution forming Liquor Sang
Albumen }
Salts }
Red Corpuscles Suspended in Liquor Sanguinis

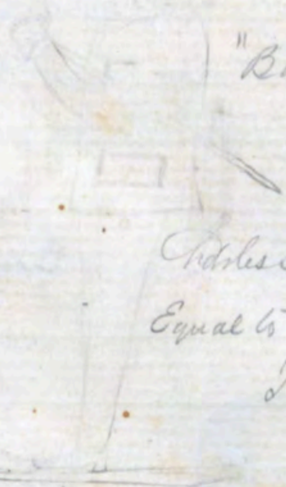
In coagulated Blood they are –
Fibrine } Crassamentum – or Clot –
Red corpus }
Albumen } In Solut forming Serum –
Salts }

| Poisons<br>Medicines & | Antidotes |
|---|---|
| For Tartar Emetic, ℞ ~~Decoc: Galls~~ – | Decoc: Galls – Test "Sulphuretted Hydrogen" |
| For Lead – ℞ ~~Sulphate of Soda or Magnesia~~ – | Sulph: Soda or Magnesia. |
| Cupri Sulphas – | Albumen and Magnesia – |
| Argenti Nitras – | Chloride Sodium – |
| Hydrocy^a acid & other Nervous Sedatives | {Carb: Ammonia – |
| Opium – or Coffee – | Ipecac ʒss – Sulph Zinc 30 grs – |
| Opium – antid ℞ switches, 10 m. to bundle; Dose every 5 minutes – | or Lamp oil, after it's been burned a little in a lamp –<br>Belladona has been tried – |
| Oxalic acid – | Lime Water – |
| Iodine | Starch &c – |
| Bromine & Chlorine | Carb: Ammon – |
| Nux Vomica | Sulph Zinc – |
| Opium | Belladonna – 20 gtts – |
| Belladonna | Opium – |
| Oxalic acid – | Lime Water – |
| Corrosive Sublimate | White of Eggs – |
| Iodide Mercury, | White of Egg, warm water |
| For the Alkalies & Carbonates | Lemon juice & Acidum Aceticum |
| Digitalis | Ipecac – Tannic acid – &c – |
| Prussic acid | Chlorine & Ammonia – |
| Acetate Lead | Sulph Zinc |
| Opium | " " – |



Antidotes –

"Aphonia loss of voice –
Stammering is caused by want of command over vocal muscles"



"Baltimore Plug" –

Charles Street swell"
Equal to only gr iss of Tartar Emetic –

For Dyspepsia
℞ Brandy Cinnamon water āā ℥iv – oil Cinnamon gtt j
see Dispensatory –

M. H. Howard Street
Baltimore Md

In Scrofulous affect?
"Lugols Solution"

℞ Iodine ʒj –
Iod: Potass ʒiss –
Aqua Dist O j –
M – 5 drops 2 times daily in water

Chronic Bronchitis –
℞ Croton oil – Sweet oil āā
3 drops rub on chest
Tar-vapor may be used or creasote 20 drops in half pint boiling water – Senega, squills when system is below par – quinine, Iron – cod liver oil &c must be given

Chronic Bronchitis –
℞ Muriate Ammon: ʒij
Gum arab: (Mucilage) ℥iv.
M. S. Teasp 4 times daily

Inflammation consists in an increased vascularity change of secretions &c
Congestion — " " a stagnation of blood in a part —
Determination " " " dilatation & expansion of capillaries —

"Spasmodic & Pseudomembranous Croup"

℞ Hyd: Chlor: mit: grs x
Ext: Colocynth ℈i
M. Ft. pils x —

# Prescriptions —

S Antidotes

Injection for Gonorrhoea —
℞ Zinc: Sulph: ℈i
Hyd: chlor: mit: ℈ij
Opii Ext ℈ij
Glycerine ℥ss
Aquae Rosae — ℥viij
M Inject after each urination

For Chronic Diarrhoea
℞ Nit: Argenti: (cryst:) ℈i
Pulv Gum Opii grs xv
Ext: Kino — ʒij
M. Ft Pills 60 — one 3 times per diem

Chronic Chills —
℞ Pulv Cinchona ℥i
Rad: Serpentaria Pulv ʒss —
Carb: Potass. grs xv
M — at a dose

Intermitten Fever with Debility,
℞ Sulph Iron ʒi
" Quinia grs xxx
Strychnine gr i
M. Ft. Pils xxx —

Scabies — ℞
Flos Sulphur ℥ij
Hydr: ammoniatum ʒi
Ethiops mineral ʒi
Creosote gtts x
adeps — ℥v —
M. and apply

For Scrofula & General Debility —
℞ Prot: Carb: Iron — ℥ss —
Pulv Nux Vomica ℈ij.
Ext Gentian Lutea ʒij.
Pulv Soc: Aloes. ℈ij —
M. Ft. Pils 80 —
S. one m & night —

Cough mix —
℞ Confec Rosae ℥i
Pulv Tragª ʒi
Syrup Pop: ℥ii —
Acetum Scillae ℥vi —
Acet: acid 20 gtts.
aqua ferven — ℥vi
M — S. One to 3 teaspoonsful 3 times daily —

Prescriptions —
Colic — of Infants
℞ Magnesia Calc ʒss
Pulv Rhei grs vi
" Gum arab ʒi
Sac: Albae ʒi
Oil anisi gtts iv,
Tinc Opii " vj
aqua Dist: ℥iss —
M — Teaspoonful every 2 hours —

Magendie's Solution of Morphia for Hypodermic Injection —
℞ Acet: morphia grs xvj —
aq Distillat — ℥i —
Acet: acid — — q.s. —
M & Inject from 5 to 10 minims —

F Colic of Infants, by Dr Dewees —
℞ Tinc Assafoetida ʒi
" Opii gtts xx
Magn: Calc grs xx
aqua Font ℥i —
M, Dose 20 gtts, if it does not relieve in ½ hour, Repeat in 10 drop doses every 20 minutes —

Camp: Itch
℞ Flos: Sulph ℥i —
Carb Potass ʒiss —
Citrine oint: ℥i —
Tar — ℥i
adeps — ℥i
M — oint — apply m & mor

For Camp Itch —
Internally ~~Syrup~~ Ext Sarsap ʒij
&
Iodide Potass —

During labour when the os is partly dilated & there seems to be a cord around it —
℞ Tartar Emetic in small doses

Belladona produces a Scarlet fever rash & is given for that disease this the way Dr Hahnemann founded "Homoeopathy" Similia Similibus curanta —

℞ Incont: Urine in Children —
Bicarb Potass ʒi
Mint Water ℥i
Tinc: Bellad: 8 to 20 drops —
M. Dose Teaspoonful — ʒss of ~~[illegible]~~
Tinc Cantharides may also given with it — at same give Muriated Tinc: Ferri ~~may~~ be given

Tinea Capitis
℞ Corr: Sublim gr 10
White Precip ʒii
adeps ℥i
M — apply

For Epilepsy —
Stramonium (Seed) ʒi
Sulph Zinc — ʒss
Sulp Copper — grs 8 —
M. 30 Pils

For Scarlet Fever —
℞ Chlorate Potass ʒii
Muriat: acid ʒij
Aqua Font: ℥ij
M. & Keep in dark place of the above put ʒii in Θ cold water, give patient as often as he will take —

For Sore Throat —
℞ Tannic acid ʒi
aqua ℥iv —
M. Ft. Gargle —

+ More Calomel is borne north than south +
+ Calomel north — Calomel South

B Billie Hespina

B B B Sal & Chael

Col pfr cot his ABR J. W. Greer. Washington Univ

Baltimore

Billie Haurand Montgomery S Hammond Hunsley

Sallie Pochaly M Atlanta

Geo Rob B Ridley

Smith

Atlanta

Wm B Conway

Wm B Conway

Wm B Conway

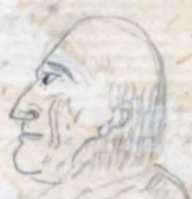
Wm B Co

Washn

Wm B Conway

Smith

Wm B Conway



Wm B Co

Slumma Polka

by Wm B Conway Slumma Polka John F. Monmonier

Slumma Polka

"Slumma Polka"

Prof Institutes of Medicine

Evening of Life —

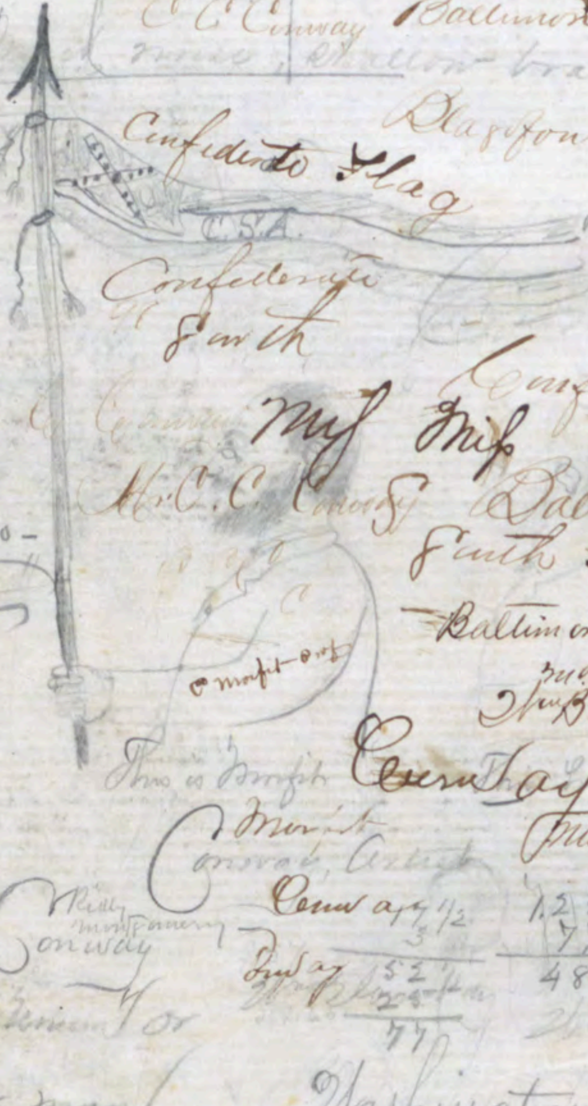
Slumma Palka

C C Conway Baltimore Institute Maryland

Dedicated to Sallie

Montgomery Al.

Confederate Flag



Smith

Al. Md.

Wm B Conway

Confederate

Earth

Flag Cute

Taptun

Sal Ammo —

Confederate Flag

Miss Miss Miss

Mr C. C. Conway

Baltimore

Fowlers

Earth Flag Miss

Clagett

Billie Haurand

Clagett Professor

Washington

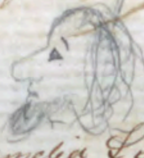
Baltimore Miss Eva Conway

Flag South

Wm B Conway

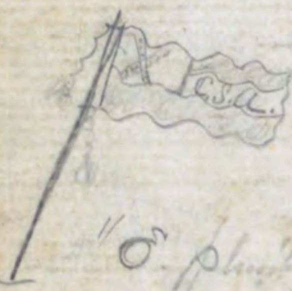
This is Moffit

Conway



Miss Susan

Jane amelia Squibbs —



Moffit Conway, Artist

Ridly Montgomery Conway

Conway

| | | |
|---|---|---|
| Conway | 77 1/2 | 125 |
| | 3 | 77 |
| Conway | 52 | 48 — |
| | 25 | |
| | 77 | |

Conway

"O. please, Hiram, or any other man"

Washington University

Baltimore Md —

And may her fame be universally spread as that the one fame which she bears her name —

Billie Conway

"Purpura Hemorrhagica"

Miss Mckain

Mississippi

Mississippi

Love

Camden

Virginia

Virginia

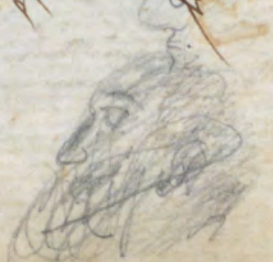
intelligent

P-helvis

Virginia

Virginia

Henry



(85)

## Moods.

One feels inclined to reenter the realms of Fairyland in search of the origin of so mysterious a term for the various whims and fancies prevalent among men.

A bewitching elfin form, endowed with both the good and evil passions of the human heart, could easily be imagined, flitting through our world, with the touches of her golden wand rousing these feelings into action.

Ah! fickle and false as the wind is she! yet let us follow for awhile our supposed fairy in her wanderings, not too harshly condemning her follies, for after all "variety is the spice of life" and we could ill afford her loss.

It is the still noon of a bright June day. 'Neath the fragrance of apple-blossoms our fairy's wand passes lingeringly over a girl's bright head

and the laughing eyes at once
lose all their merriment, and
turn a wistful, far off gaze
upon the sunny landscape.
Ah! not for long is the
maiden left there pensive_
another touch brings back
forgotten thoughts of duties,
and a hurried frightened
look dispels those dreamy
longings. A home is soon made
brighter by her ~~happy~~ songs
as with careless grace she
fills each dingy room with
the rich June flowers_
We cannot linger with her
through the day and note
the changes that the small
wand works for some time
the riper elf proves treacherous
and even in those
eyes flashes a dangerous
light_
Who but feels the balmy
influence of a summer
twilight_ when the soft,
peculiar croak of the
pond frog, the last sleepy

chirp of the birds and the thousand tiny voices at our feet seem rather a part of the stillness.

Is it our fancy that brings such rest to the tired mind such healing to the wounded spirit?

The maid again looks dreaming into the distances but with far different feelings.

Our elf has captured the youthful Cupid wandering through the land and with a merry laugh she slips a hand in his and a fatal arrow wings its flight to find a lodging in the maiden's breast.

"Fowler's Solution" or Arsenite of Potassa - Paralysis

S. ten drops three times per day

every 4 hrs in intervals &c

"Donovans Solution or Liquor Hydrarg. et arsenici Iodidi

S. three to five drops - 3 times daily -

10.00
4.00
3.00
3.00.00
317.00 Total [illegible]
) 37.00
$ 54.00

1 20
$ 15.00
2 00
$ 37.00

(Tune 3 string [illegible]
(Finger on 4 [illegible] tune 2 string
(Tune 1 string by finger on 6 [illegible]
2nd
[illegible]
(Finger on 4th string & tune with
3rd string
A string is tuned by finger on
5th fret of

Scabies (Itch)
R.
Sulphur ℥i
Carb Potass ℥i
Soap ℥i
M. apply on & wash the body in the m[orning]-

R. o R. B. - Reminisce

Wells Pocket Dose Book

Richstine
178 - Balt -

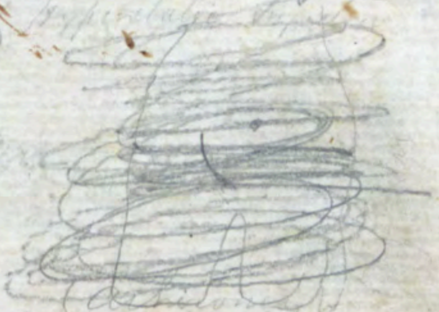
(Stillingia, Queens Root -)

artesian wells -

Teeth originate from papillae & then form follicles -

Chas H. Massoney

4 2.65



Sallie [illegible]

Conway Conway

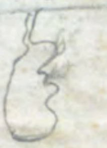
32/12 a/3
96
24

Gangliou Impar - or last -

pyaemia

W. J. Conway

Strichnia has a peculiar influence upon the nerve centres, especially of Spinal cord -



Radiata 4th
Mollusk 3

Washington University
60
8
480

Baltimore

Sulcus Tali

Chloroform Lin[iment]
R. Chloroform ℥ss -
Oleum Olivae ℥i -
misce -

Prophylaxis

The cremaster muscle is formed by a prolongation of the Trans & Inter Oblique - Prolongation of Superficial fascia forms tunic of Penis

℥vi
℥ii

48
5
240

41
2
269

9

4